

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
**PLANS FOR PROPOSED
 FEDERAL AID HIGHWAY**

F. A. P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	09-00108-00-LS	COOK	38	1
STA.	TO STA.			
FED. ROAD DIST. NO.	ALLOYS	FED. AID PROJECT	ARA-00D1(809)	

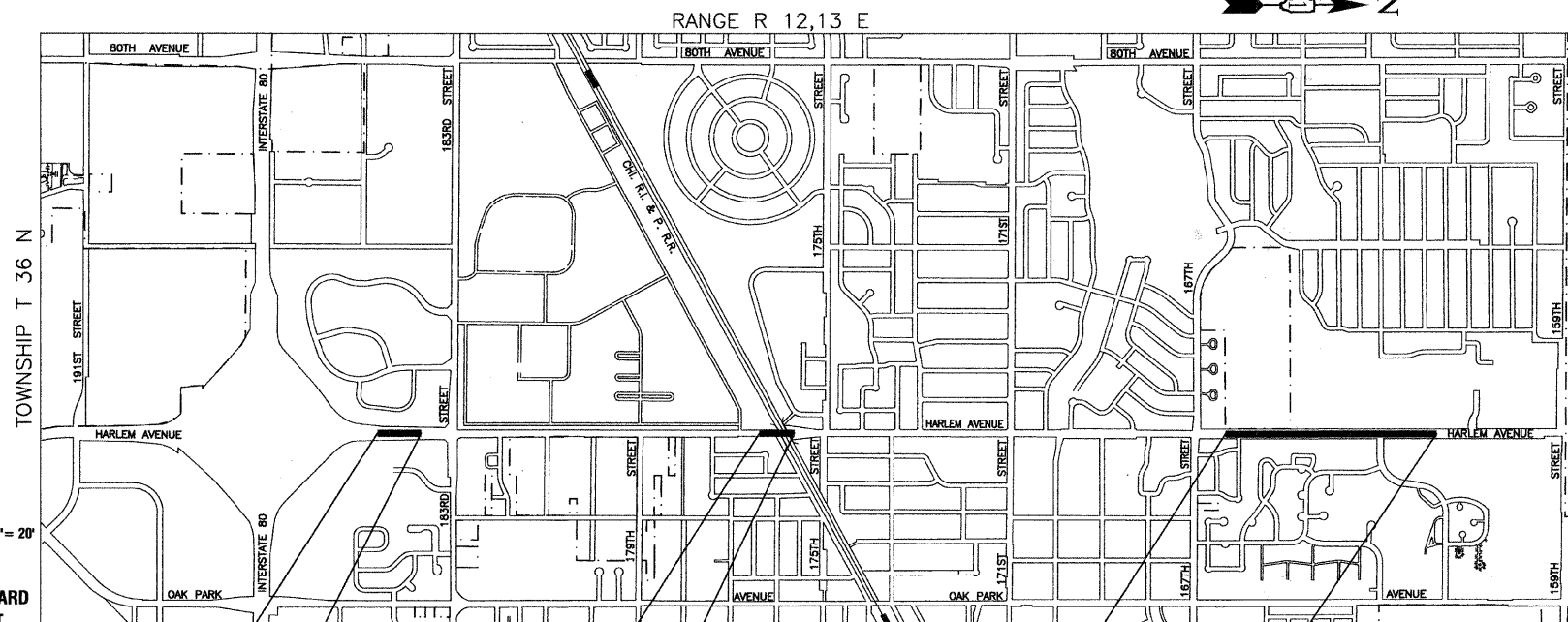
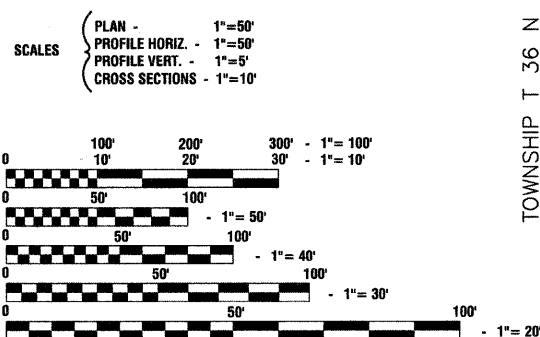
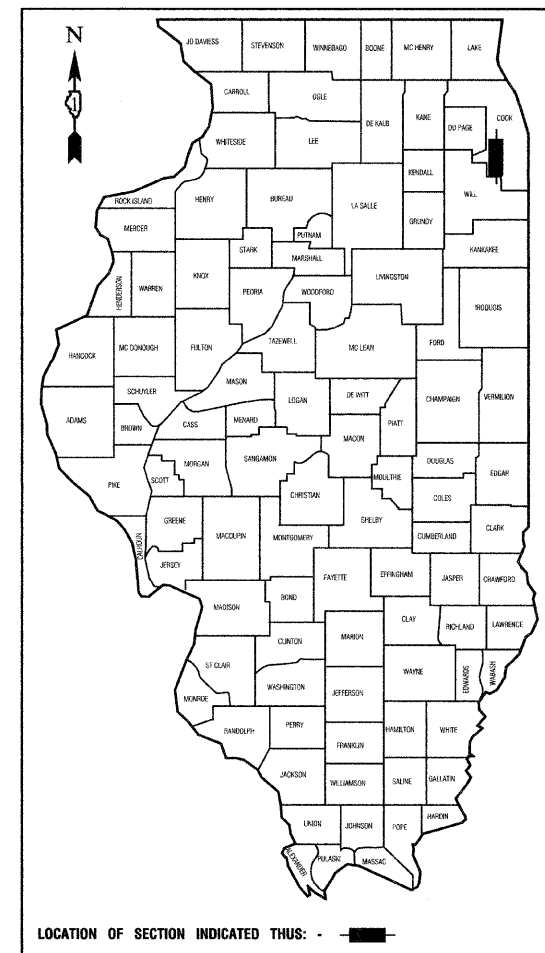
CONTRACT #63412

INDEX OF SHEETS
 SEE SHEET NO. 2

HIGHWAY STANDARDS
 SEE SHEET NO. 2

FAP ROUTE 348 (HARLEM AVENUE)
 191ST STREET (FAU 3754) TO 159TH STREET (FAP 351)
 BEAUTIFICATION - STREETSCAPING
 SECTION: 09-00108-00-LS
 PROJECT NO: ARA-00D1(809)
 JOB NO: C-91-137-10
 VILLAGE of TINLEY PARK
 COOK COUNTY

DESIGN DESIGNATION	- HARLEM AVENUE - ARTERIAL	
POSTED SPEED LIMIT	- 40 mph - 159TH ST TO 175TH ST - 45 mph - 175TH ST TO 191ST ST	
ADT:	159TH ST TO 167TH ST	- 45,700 (2007)
	167TH ST TO 171ST ST	- 40,000 (2007)
	171ST ST TO 175TH ST	- 37,900 (2007)
	175TH ST TO 183RD ST	- 34,800 (2007)
	183RD ST TO I-80	- 45,200 (2007)
	I-80 TO 191ST ST	- 27,100 (2007)



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

BEGIN IMPROVEMENT STATION 52+75
 END OMISSION STATION 107+32
 END OMISSION STATION 172+06
 BEGIN OMISSION STATION 59+65
 BEGIN OMISSION STATION 114+00
 END IMPROVEMENTS STATION 204+50

LOCATION MAP

GROSS LENGTH=15,175 FEET=2.87 MILES
 NET LENGTH=4,602 FEET=0.87 MILES

PREPARED BY OR UNDER THE DIRECT SUPERVISION OF:

[Signature]
 11.30.09
 SITE DESIGN GROUP IS RESPONSIBLE FOR LANDSCAPING AND APPURTENANCES, LANDSCAPE WALL AND IRRIGATION SYSTEM

PREPARED BY OR UNDER THE DIRECT SUPERVISION OF:

[Signature]
 11-30-09
 ROBINSON ENGINEERING, LTD IS RESPONSIBLE FOR TOPOGRAPHY, DRAINAGE AND WATER SERVICE PLANS

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

Approved: *[Signature]* 11-30-09
 President, Village of Tinley Park

Passed: *[Signature]* DECEMBER 3, 2009
 District 1 Engineer of Local Roads & Streets

Released for Bid Based on Limited Review: December 8, 2009
 Deputy Director of Highways, Region 1 Engineer

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS



LICENSE EXPIRES: 11/30/11

FIELD ENGINEER: MELCHOR MANGOBA (847) 705-4408
 CONSULTANTS: ROBINSON ENGINEERING, LTD. 708-331-6700

CONTRACT NO. 63412

INDEX OF SHEETS

- 1. COVER SHEET
- 2. INDEX OF SHEETS, STATE STANDARDS, PLANT SCHEDULE, AND HMA MIX CHART
- 3.-4. SUMMARY OF QUANTITIES
- 5.-14. LANDSCAPING PLAN
- 15.-24. DRAINAGE AND EROSION CONTROL PLAN
- 25.-34. IRRIGATION PLAN
- 35.-38. CONSTRUCTION DETAILS

STATE STANDARDS

- 000001-05 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 280001-05 TEMPORARY EROSION CONTROL
- 442201-03 CLASS C AND D PATCHES
- 602001-01 CATCH BASIN, TYPE A
- 604001-03 FRAME AND LIDS TYPE I
- 604036-02 GRATE, TYPE B
- 606001-04 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
- 701801-06 URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
- 701701-06 URBAN LANE CLOSURE, MULTILANE INTERSECTION
- 701801-04 LANE CLOSURE MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
- 701901-01 TRAFFIC CONTROL DEVICES

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ NDES
PAVEMENT PATCHING	
POLYMERIZED HOT MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL-9.5mm); 1 3/4"	4% @ 90 Gyr.
LEVELING BINDER (MACHINE) METHOD, N70 (IL-9.5mm); 3/4"	4% @ 70 Gyr.

NOTE:
 THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SY/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.

PLANT SCHEDULE

DECIDUOUS SHADE TREES						
CODE	QUAN	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
GT	21	Gleditsia triacanthos 'Skyline'	Skyline Honeylocust	3" cal.	B&B	matching heads
QI	12	Quercus imbricaria	Shingle Oak	3" cal.	B&B	matching heads
ORNAMENTAL TREES						
OV	5	Ostrya virginiana	Ironwood	2-1/2" cal.	B&B	matching heads
PV	30	Prunus virginiana "Canada Red"	Canada Red Cherry	2-1/2" cal.	B&B	matching heads
DECIDUOUS SHRUBS						
HK	1494	Hypericum kalmianum 'Ames'	St. Johnswort	2 gal.	pot	24" o.c.
PP	176	Physocarpus opulifolius 'Monlo'	Diabolo™ Eastern Ninebark	30"	B&B	36" o.c.
RA	1030	Rhus aromatic 'Grow Low'	Grow Low Sumac	2 gal.	pot	30" o.c.
VJ	181	Viburnum x juddii	Judd Viburnum	30"	B&B	30" o.c.
PERENNIAL PLANTS & GRASSES						
CA	630	Calamagrostis x acutiflora 'Karl Foerster'	Feather Reed Grass	gal.	pot	24" o.c.
HA	1616	Hemerocallis 'Chicago Apache'	Chicago Apache Red Daylily	gal.	pot	12" o.c.
HR	1616	Hemerocallis 'Rosy Returns'	Rosy Returns Pink Daylily	gal.	pot	12" o.c.
HS	1616	Hemerocallis 'Stella d' Oro'	Stella d'Oro Yellow Daylily	gal.	pot	12" o.c.
LP	1933	Liatris spicata 'Kabold'	Kobold Blazing Star	gal.	pot	12" o.c.
LS	1421	Liriope spicata	Lily Turf	gal.	pot	12" o.c.
LW	758	Liatris spicata 'White'	White Blazing Star	gal.	pot	12" o.c.
MD	361	Monarda didyma 'Marshalls Delight'	Marshalls Delight Monarda	gal.	pot	12" o.c.
MJ	1076	Monarda didyma 'Jacob Cline'	Jacob Cline Monarda	gal.	pot	12" o.c.
PA	2199	Perovskia atriplicifolia 'Little Spire'	Little Spire Russian sage	gal.	pot	12" o.c.
PH	1029	Pennisetum alopecuroides 'Hamlin'	Hamlin Dwarf Fountain Grass	gal.	pot	18" o.c.
PR	385	Pennisetum alopecuroides 'Red Head'	Red Head Fountain Grass	gal.	pot	30" o.c.
RF	628	Rudbeckia fulgida var sullivantii 'Goldsturm'	Goldsturm Rudbeckia	gal.	pot	18" o.c.
SR	404	Solidago Rugosa	Golden rod	gal.	pot	18" o.c.
SS	167	Schizachyrium scoparium	Little Bluestem	3 gal.	Pot	30" o.c.

SUMMARY OF QUANTITIES					PAVEMENT	MARKINGS	SIGNS	LANDSCAPE	LIGHTS	SIGNALS	TRAINING		
S.I.	CODE NO.	PAY ITEM	UNIT	QUAN	CONSTRUCTION TYPE CODE								
					1000	SFTY-1D	Y002-1C	Y003	Y030-1E	Y031	Y080		
	20101000	TEMPORARY FENCE	FOOT	3600				3600					
*	20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	74				74					
	20200100	EARTH EXCAVATION	CU YD	3165				3165					
	20200410	EARTH EXCAVATION (SPECIAL)	CU YD	500				500					
*	25200110	SODDING, SALT TOLERANT	SQ YD	1500				1500					
*	25300500	TOP SOIL FOR PLANTING	CU YD	3200				3200					
*	25300700	TRANSPLANTED SALVAGED SHRUBS	EACH	9				9					
	28000510	INLET FILTERS	EACH	20				20					
	31200600	STABILIZED SUBBASE - CEMENT AGGREGATE MIXTURE, 4"	SQ YD	136				136					
	35101100	AGGREGATE BASE COURSE, TYPE A 12"	SQ YD	100	100								
	40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	80	80								
	40603595	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90	TON	180	180								
	44000100	PAVEMENT REMOVAL	SQ YD	100	100								
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	8100	8100								
	44002020	CONCRETE MEDIAN SURFACE REMOVAL	SQ FT	10734	10734								
	44201353	CLASS C PATCHES, TYPE II, 10 INCH	SQ YD	100	100								
	60100060	CONCRETE HEADWALL FOR PIPE DRAINS	EACH	1				1					
	60107600	PIPE UNDERDRAINS 4"	FOOT	10				10					
	60109510	PIPE UNDERDRAINS, FABRIC LINED TRENCH 4"	FOOT	1525				1525					
	60201005	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 10 FRAME AND GRATE	EACH	1				1					
	60250200	CATCH BASINS TO BE ADJUSTED	EACH	10				10					
	60255500	MANHOLES TO BE ADJUSTED	EACH	5				5					
	60260100	INLETS TO BE ADJUSTED	EACH	5				5					
	60606300	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9.12 (SPECIAL)	FOOT	8100	8100								
	67100100	MOBILIZATION	L SUM	1				1					
	70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1				1					
	70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1				1					
	70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1				1					
	78000100	THERMOPLASTIC PAVEMENT MARKING- LETTERS AND SYMBOLS	SQ FT	1000	1000								
	78000200	THERMOPLASTIC PAVEMENT MARKING- LINE 4"	FOOT	8100	8100								
	78000400	THERMOPLASTIC PAVEMENT MARKING-LINE 6"	FOOT	1000	1000								
*	A2005620	TREE, OSTRYA VIRGINIANA (AMERICAN HOPHORNBEAM), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	5				5					
*	C2012136	SHRUB, VIBURNUM X JUDDII (JUDD VIBURNUM) 3' HEIGHT, BALLED AND BURLAPPED	EACH	65				65					
*	K1003680	MULCH	SQ YD	2410				2410					
	X0322903	SAW CUTTING, (FULL DEPTH)	FOOT	8300	8300								
*	X0325775	WET REFLECTIVE TEMPORARY TAPE, TYPE III, 4 INCH	FOOT	8100	8100								
*	X0325837	WET REFLECTIVE TEMPORARY TAPE TYPE III, 6 INCH	FOOT	2000	2000								
*	X0325842	WET REFLECTIVE TEMPORARY TAPE, TYPE III, LETTERS AND SYMBOLS	SQ FT	2000	2000								
	Z0017202	DOWEL BARS 1 1/2"	EACH	3000	3000								
	Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	LSUM	1				1					
	Z0075310	TIE BARS 3/4"	EACH	300	300								
△	Z0076600	TRAINEES	HOUR	500							500		
*	XX003868	WATER SERVICE CONNECTION, 2" COMPLETE	EACH	1				1					
*	XX005206	EXPLORATORY EXCAVATION	FOOT	100				100					
*	A2006618	TREE, QUERCUS IMBRICARIA (SHINGLE OAK), 2 1/2" CALIPER, BALLED AND BURLAPPED	EACH	12				12					
*	XX005653	AGGREGATE BACKFILL CA-7	CU YD	1703				1703					
	X2800400	PERIMETER EROSION BARRIER, SPECIAL	FOOT	8500				8500					

△ Y080

* - INDICATES SPECIALTY ITEMS

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 USER NAME =
 PLOT SCALE =
 PLOT DATE = 11-30-09

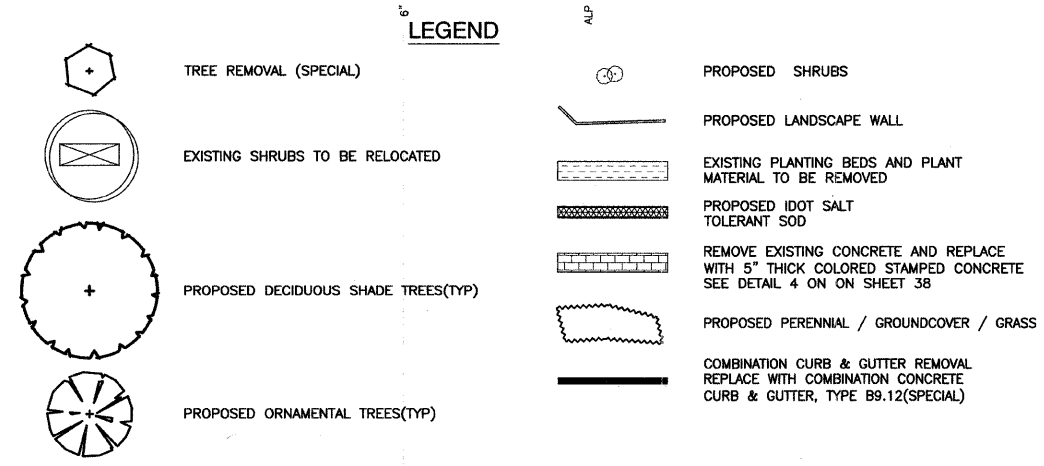
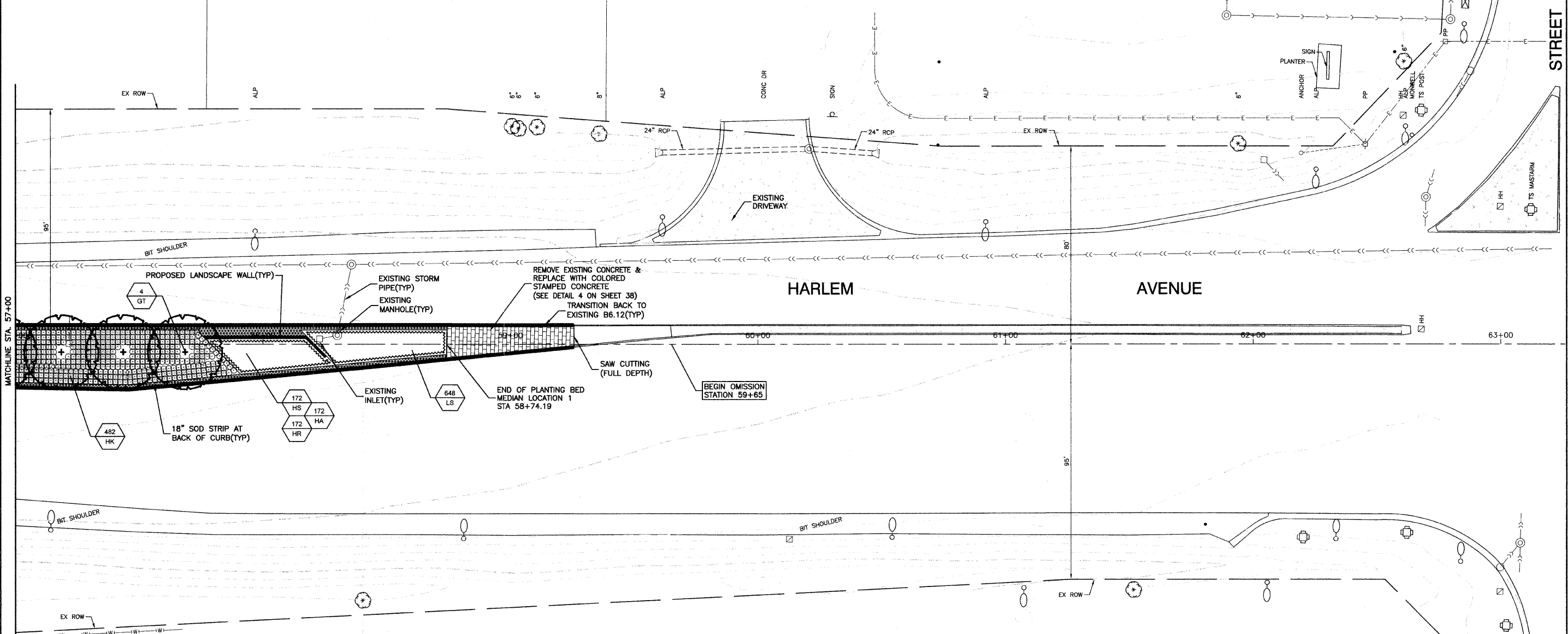
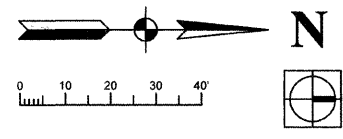
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CHECKED - AG	REVISION -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

HARLEM AVENUE
 BEAUTIFICATION - STREETSCAPING
 SUMMARY OF QUANTITIES
 SCALE: SHEET NO. 3 OF 38 SHEETS STA. TO STA.

F.A.P. RTE. 348	SECTION 09-00108-00-LS	COUNTY COOK	TOTAL SHEETS 38	SHEET NO. 3
CONTRACT NO. 63412				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ARA-00D1(809)				

SECTION 1, TOWNSHIP 35, RANGE 12
SECTION 6, TOWNSHIP 35, RANGE 13



NOTES:
ALL PLANTINGS SHALL FOLLOW IDOT BUREAU OF DESIGN & ENVIRONMENT MANUAL - CHAPTER 59 - LANDSCAPE DESIGN AND EROSION CONTROL 59-7.09 PLANTING IN URBANIZED AREA FOR SIGHT DISTANCES.
ALL AREAS TO BE LANDSCAPED SHALL BE EXCAVATED TO THE DEPTH APPROPRIATE FOR THE PROPOSED PLANTINGS. NO SOD SHALL REMAIN IN NEW PLANTING AREAS.
PLANT QUANTITIES SHOWN ON DRAWINGS ARE APPROXIMATE. CONTRACTOR SHALL PROVIDE PLANT MATERIALS SUFFICIENT TO COVER AREAS SHOWN ON PLANS AT THE SPACINGS INDICATED.
ANY AREAS OUTSIDE OF THE LANDSCAPE BEDS THAT ARE DISTURBED SHALL BE REPLACED IN KIND.
FOR LANDSCAPE PLANTING DETAILS SEE SHEETS 36 & 37.
FOR PROPOSED LANDSCAPE WALL DETAILS SEE SHEET 38.
NO PLANTING SHALL BE CLOSER THAN 18" FROM BACK OF MEDIAN CURB. NO TREES SHALL BE CLOSER THAN 4' FROM BACK OF MEDIAN CURB.
FOR ADDITIONAL PLANTING NOTES SEE SHEET 36.
FOR PLANT SCHEDULE SEE SHEET 2.
FOR CONCRETE DETAILS SEE SHEET 38.

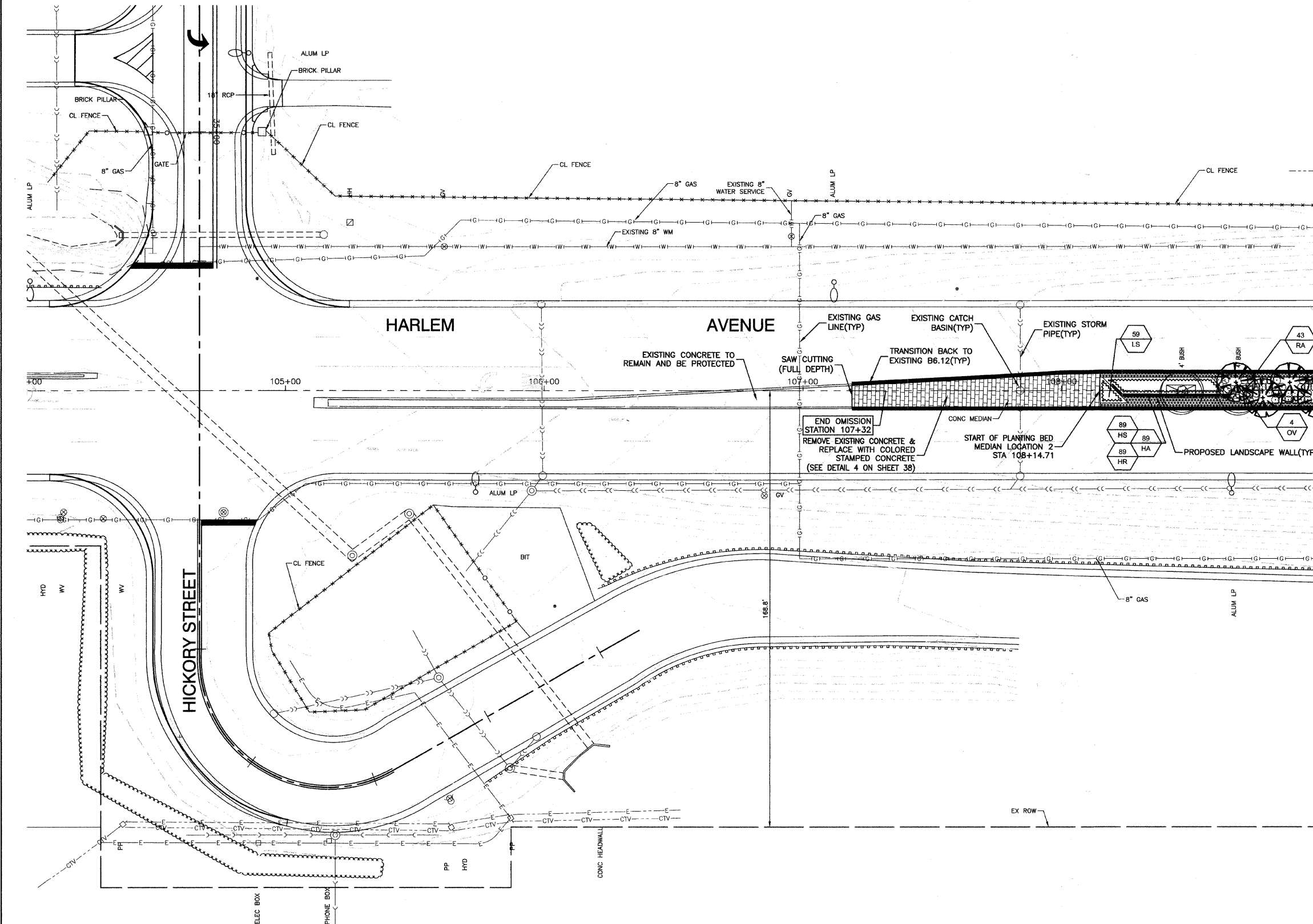
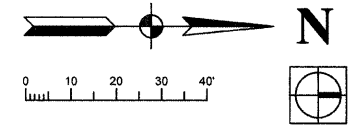
BENCH MARK:172
SQUARE CUT ON W. FACE OF CONC BASE OF ALP, 2ND POLE S. OF I-80 EXIT RAMP TO NORTHBOUND HARLEM AVENUE ELEVATION=704.09

FILE NAME = 09463-PLAN-01 - P10	USER NAME =	DESIGNED -- SDG	REVISED --
		CHECKED -- JSP	REVISED --
	PLOT SCALE =	DRAWN -- PS	REVISED --
	PLOT DATE = 11-30-09	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HARLEM AVENUE BEAUTIFICATION - STREETSCAPING LANDSCAPING PLAN		F.A.P. RTE. 348	SECTION 09-00108-00-LS	COUNTY COOK	TOTAL SHEETS 38	SHEET NO. 6
SCALE: 1"=20'		SHEET NO. 6 OF 38 SHEETS		STA. TO STA.	CONTRACT NO. 63412	
		FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT ARA-00D1(809)		

SECTION 36, TOWNSHIP 36, RANGE 12
SECTION 31, TOWNSHIP 36, RANGE 13



LEGEND

- TREE REMOVAL (SPECIAL)
- EXISTING SHRUBS TO BE RELOCATED
- PROPOSED DECIDUOUS SHADE TREES(TYP)
- PROPOSED ORNAMENTAL TREES(TYP)
- PROPOSED SHRUBS
- PROPOSED LANDSCAPE WALL
- EXISTING PLANTING BEDS AND PLANT MATERIAL TO BE REMOVED
- PROPOSED IDOT SALT TOLERANT SOD
- REMOVE EXISTING CONCRETE AND REPLACE WITH 5" THICK COLORED STAMPED CONCRETE SEE DETAIL 4 ON SHEET 38
- PROPOSED PERENNIAL / GROUNDCOVER / GRASS
- COMBINATION CURB & GUTTER REMOVAL REPLACE WITH COMBINATION CONCRETE CURB & GUTTER, TYPE B9.12(SPECIAL)

NOTES:
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PLANT QUANTITIES SHOWN ON DRAWINGS ARE APPROXIMATE. CONTRACTOR SHALL PROVIDE PLANT MATERIALS SUFFICIENT TO COVER AREAS SHOWN ON PLANS AT THE SPACINGS INDICATED.

ANY AREAS OUTSIDE OF THE LANDSCAPE BEDS THAT ARE DISTURBED SHALL BE REPLACED IN KIND.

FOR LANDSCAPE PLANTING DETAILS SEE SHEETS 36 & 37.

FOR PROPOSED LANDSCAPE WALL DETAILS SEE SHEET 38.

NO PLANTING SHALL BE CLOSER THAN 18" FROM BACK OF MEDIAN CURB. NO TREES SHALL BE CLOSER THAN 4' FROM BACK OF MEDIAN CURB.

FOR ADDITIONAL PLANTING NOTES SEE SHEET 36.

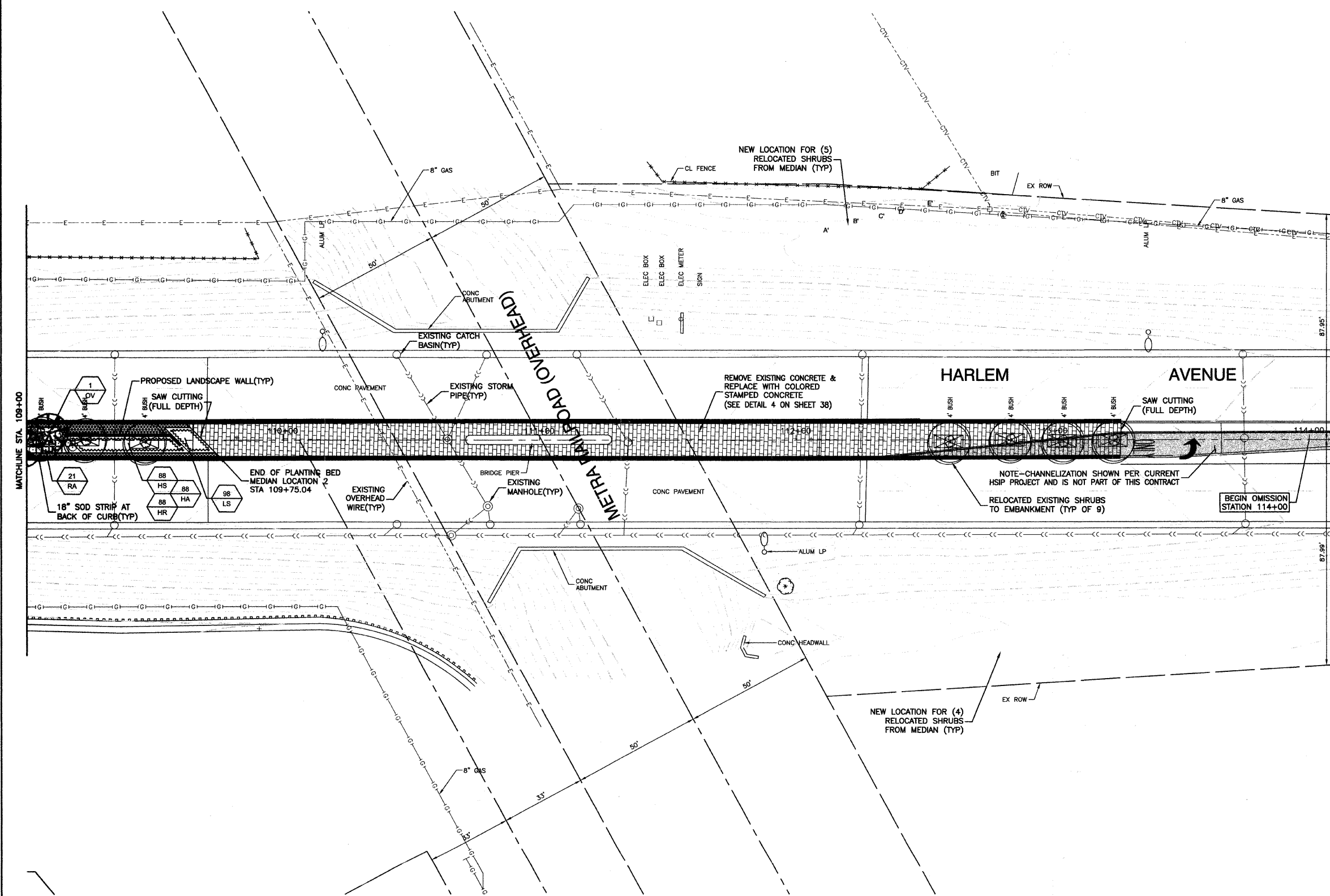
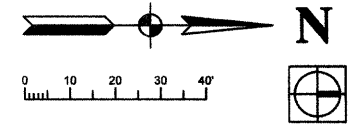
FOR PLANT SCHEDULE SEE SHEET 2.

FOR CONCRETE DETAILS SEE SHEET 38.

BENCH MARK:172
SQUARE CUT ON W. FACE OF CONC BASE OF ALP, 2ND POLE S. OF I-80 EXIT RAMP TO NORTHBOUND HARLEM AVENUE ELEVATION=704.09

FILE NAME = 09493-PLAN-01 - P12	USER NAME =	DESIGNED -- SDG	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HARLEM AVENUE BEAUTIFICATION - STREETSCAPING LANDSCAPING PLAN			F.A.P. RTE. 348	SECTION 09-00108-00-LS	COUNTY COOK	TOTAL SHEETS 38	SHEET NO. 7	
	PLOT SCALE =	DRAWN -- PS	REVISED --		SCALE: 1"=20'	SHEET NO. 7	OF 38 SHEETS	STA.	TO STA.	CONTRACT NO. 63412			
	PLOT DATE = 11-30-09	CHECKED -- AG	REVISED --		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ARA-00D1(809)								

SECTION 36, TOWNSHIP 36, RANGE 12
SECTION 31, TOWNSHIP 36, RANGE 13



LEGEND

- TREE REMOVAL (SPECIAL)
- EXISTING SHRUBS TO BE RELOCATED
- PROPOSED DECIDUOUS SHADE TREES(TYP)
- PROPOSED ORNAMENTAL TREES(TYP)
- PROPOSED SHRUBS
- PROPOSED LANDSCAPE WALL
- EXISTING PLANTING BEDS AND PLANT MATERIAL TO BE REMOVED
- PROPOSED SOD TOLERANT SOD
- REMOVE EXISTING CONCRETE AND REPLACE WITH 5" THICK COLORED STAMPED CONCRETE SEE DETAIL 4 ON SHEET 38
- PROPOSED PERENNIAL / GROUNDCOVER / GRASS
- COMBINATION CURB & GUTTER REMOVAL REPLACE WITH COMBINATION CONCRETE CURB & GUTTER, TYPE B9.12(SPECIAL)

NOTES:
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FOR PLANT SCHEDULE SEE SHEET 2.
FOR CONCRETE DETAILS SEE SHEET 38.

BENCH MARK:172
SQUARE CUT ON W. FACE OF CONC BASE OF ALP, 2ND POLE
S. OF I-80 EXIT RAMP TO NORTHBOUND HARLEM AVENUE
ELEVATION=704.09

FILE NAME = 09403-PLAN-01 - P13	USER NAME =	DESIGNED - SDG	REVISED -
		CHECKED - JSP	REVISED -
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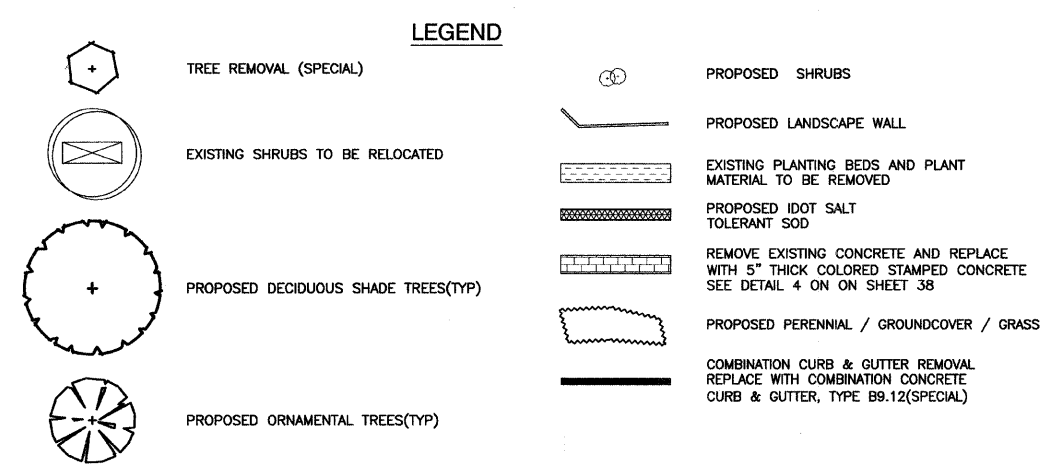
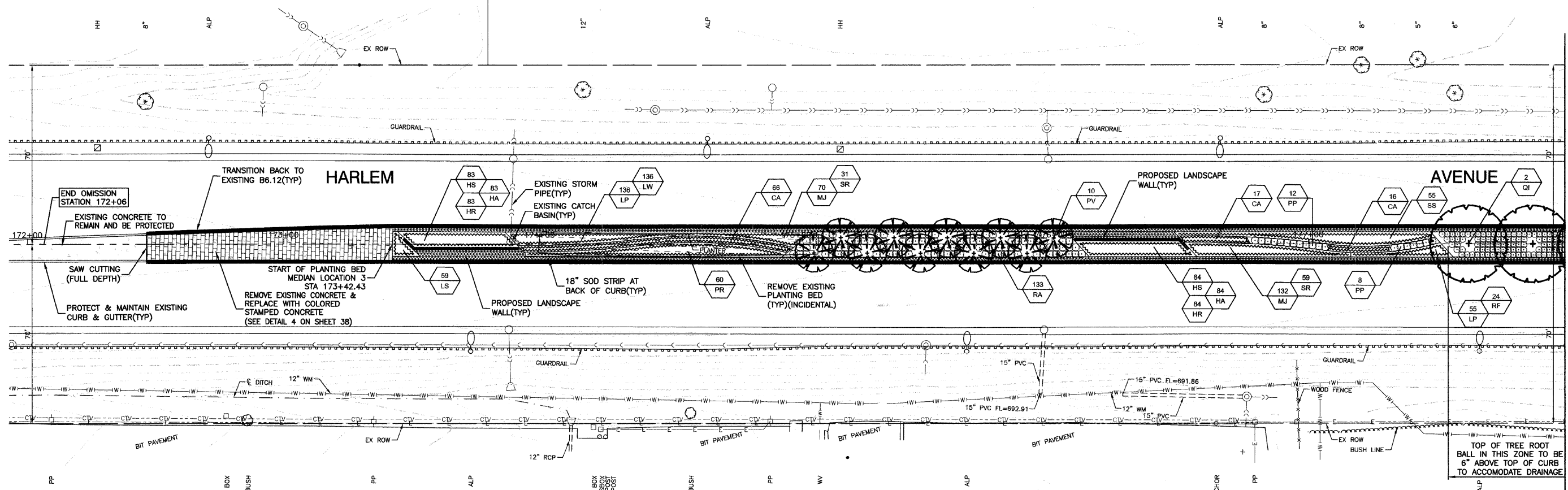
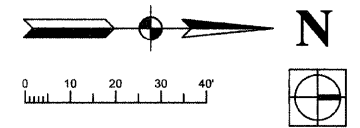
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**HARLEM AVENUE
BEAUTIFICATION - STREETSCAPING
LANDSCAPING PLAN**

SCALE: 1"=20' SHEET NO. 8 OF 38 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	09-00108-00-LS	COOK	38	8
CONTRACT NO. 63412				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ARA-001(809)				

SECTION 24, TOWNSHIP 36, RANGE 12
SECTION 19, TOWNSHIP 36, RANGE 13

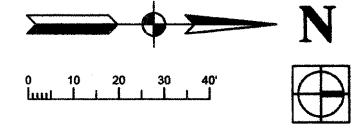


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PLANT QUANTITIES SHOWN ON DRAWINGS ARE APPROXIMATE. CONTRACTOR SHALL PROVIDE PLANT MATERIALS SUFFICIENT TO COVER AREAS SHOWN ON PLANS AT THE SPACINGS INDICATED.
ANY AREAS OUTSIDE OF THE LANDSCAPE BEDS THAT ARE DISTURBED SHALL BE REPLACED IN KIND.
FOR LANDSCAPE PLANTING DETAILS SEE SHEETS 36 & 37.
FOR PROPOSED LANDSCAPE WALL DETAILS SEE SHEET 38.
NO PLANTING SHALL BE CLOSER THAN 18" FROM BACK OF MEDIAN CURB. NO TREES SHALL BE CLOSER THAN 4' FROM BACK OF MEDIAN CURB.
FOR ADDITIONAL PLANTING NOTES SEE SHEET 36.
FOR PLANT SCHEDULE SEE SHEET 2.
FOR CONCRETE DETAILS SEE SHEET 38.

BENCH MARK:35
SQUARE CUT ON SW CONC BASE OF ALP, 3RD POLE N. OF 167TH STREET, EAST SIDE OF HARLEM AVENUE
ELEVATION=702.30

FILE NAME = 09493-PLAN-01 - P17	USER NAME =	DESIGNED -- SDG	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HARLEM AVENUE BEAUTIFICATION - STREETSCAPING LANDSCAPING PLAN	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	CHECKED -- JSP	REVISED --			348	09-00108-00-LS	COOK	38	9
PLOT DATE = 11-30-09	DRAWN -- PS	REVISED --				CONTRACT NO. 63412				
	CHECKED -- AG	REVISED --				FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ARA-00D1(809)				

SECTION 24, TOWNSHIP 36, RANGE 12
SECTION 19, TOWNSHIP 36, RANGE 13



LEGEND

- TREE REMOVAL (SPECIAL)
- EXISTING SHRUBS TO BE RELOCATED
- PROPOSED DECIDUOUS SHADE TREES(TYP)
- PROPOSED ORNAMENTAL TREES(TYP)
- PROPOSED SHRUBS
- PROPOSED LANDSCAPE WALL
- EXISTING PLANTING BEDS AND PLANT MATERIAL TO BE REMOVED
- PROPOSED IDOT SALT TOLERANT SOD
- REMOVE EXISTING CONCRETE AND REPLACE WITH 5" THICK COLORED STAMPED CONCRETE SEE DETAIL 4 ON SHEET 38
- PROPOSED PERENNIAL / GROUNDCOVER / GRASS
- COMBINATION CURB & GUTTER REMOVAL REPLACE WITH COMBINATION CONCRETE CURB & GUTTER, TYPE B9.12(SPECIAL)

NOTES:
ALL PLANTINGS SHALL FOLLOW IDOT BUREAU OF DESIGN & ENVIRONMENT MANUAL - CHAPTER 59 - LANDSCAPE DESIGN AND EROSION CONTROL 59-7.09 PLANTING IN URBANIZED AREA FOR SIGHT DISTANCES.

ALL AREAS TO BE LANDSCAPED SHALL BE EXCAVATED TO THE DEPTH APPROPRIATE FOR THE PROPOSED PLANTINGS. NO SOD SHALL REMAIN IN NEW PLANTING AREAS.

PLANT QUANTITIES SHOWN ON DRAWINGS ARE APPROXIMATE. CONTRACTOR SHALL PROVIDE PLANT MATERIALS SUFFICIENT TO COVER AREAS SHOWN ON PLANS AT THE SPACINGS INDICATED.

ANY AREAS OUTSIDE OF THE LANDSCAPE BEDS THAT ARE DISTURBED SHALL BE REPLACED IN KIND.

FOR LANDSCAPE PLANTING DETAILS SEE SHEETS 36 & 37.

FOR PROPOSED LANDSCAPE WALL DETAILS SEE SHEET 38.

NO PLANTING SHALL BE CLOSER THAN 18" FROM BACK OF MEDIAN CURB. NO TREES SHALL BE CLOSER THAN 4' FROM BACK OF MEDIAN CURB.

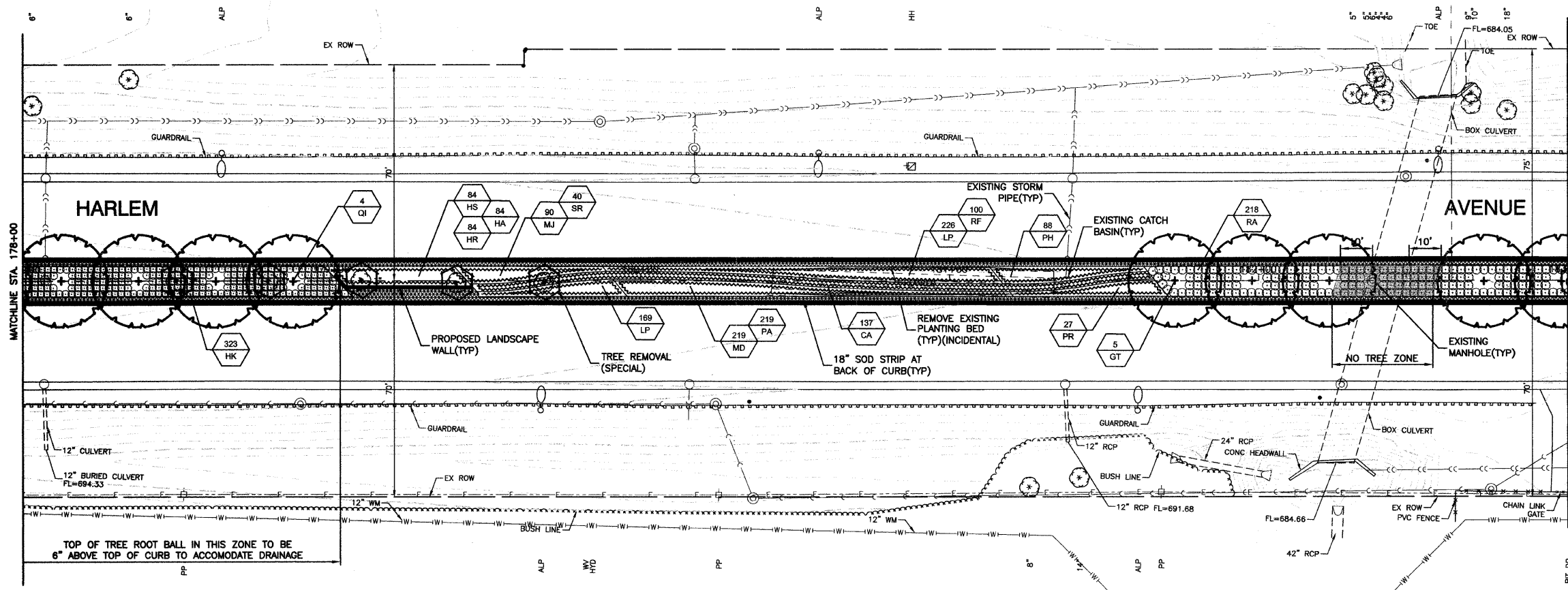
FOR ADDITIONAL PLANTING NOTES SEE SHEET 36.

FOR PLANT SCHEDULE SEE SHEET 2.

FOR CONCRETE DETAILS SEE SHEET 38.

BENCH MARK:35

SQUARE CUT ON SW CONC BASE OF ALP, 3RD POLE N. OF 167TH STREET, EAST SIDE OF HARLEM AVENUE
ELEVATION=702.30



TOP OF TREE ROOT BALL IN THIS ZONE TO BE 6" ABOVE TOP OF CURB TO ACCOMMODATE DRAINAGE

FILE NAME = 09403-PLAN-01 - P18

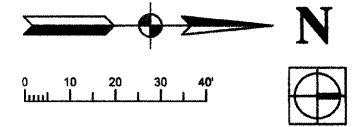
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	CHECKED - JSP	REVISED -
PLOT SCALE =	DRAWN - PS	REVISED -
PLOT DATE = 11-30-09	CHECKED - AG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HARLEM AVENUE
BEAUTIFICATION - STREETSCAPING
LANDSCAPING PLAN
SCALE: 1"=20'
SHEET NO. 10 OF 38 SHEETS
STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	09-00108-00-LS	COOK	38	10
CONTRACT NO. 63412				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ARA-001(809)				

SECTION 24, TOWNSHIP 36, RANGE 12
SECTION 19, TOWNSHIP 36, RANGE 13

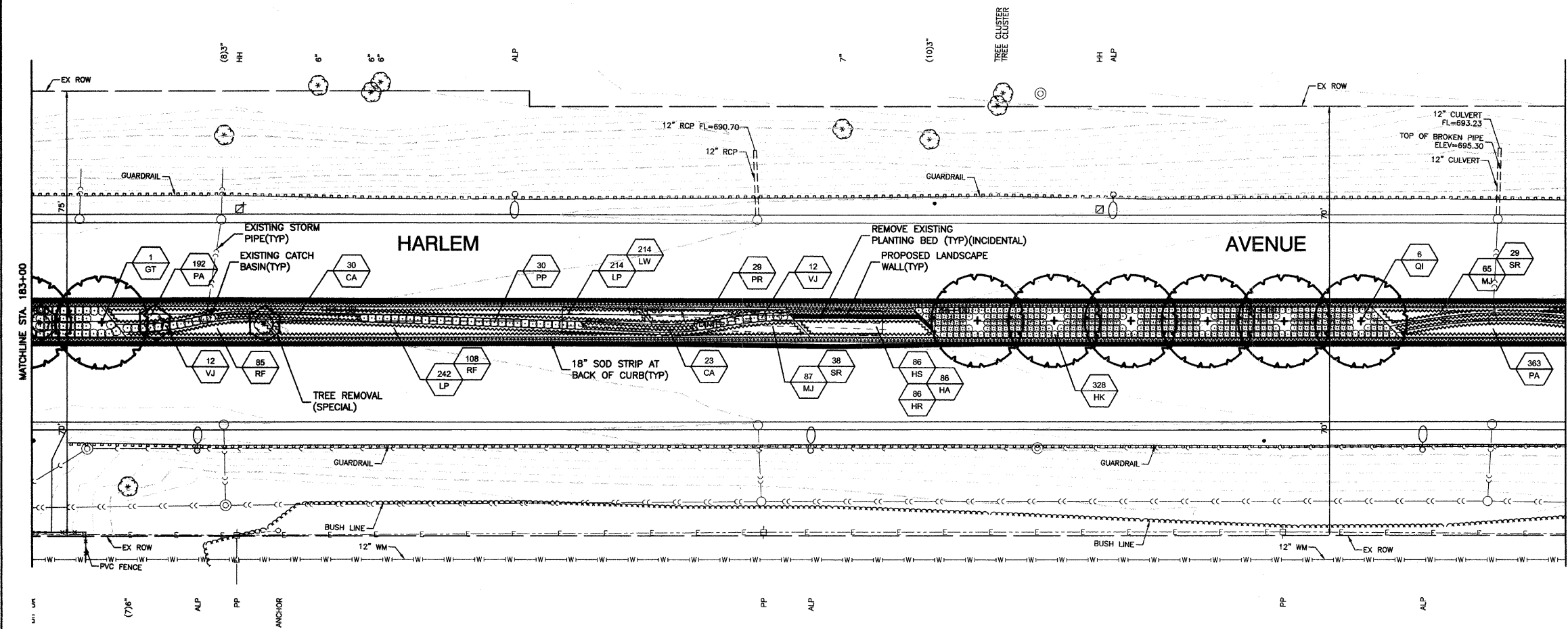


LEGEND

- TREE REMOVAL (SPECIAL)
- EXISTING SHRUBS TO BE RELOCATED
- PROPOSED DECIDUOUS SHADE TREES(TYP)
- PROPOSED ORNAMENTAL TREES(TYP)
- PROPOSED SHRUBS
- PROPOSED LANDSCAPE WALL
- EXISTING PLANTING BEDS AND PLANT MATERIAL TO BE REMOVED
- PROPOSED SOD TOLERANT SOD
- REMOVE EXISTING CONCRETE AND REPLACE WITH 5" THICK COLORED STAMPED CONCRETE SEE DETAIL 4 ON SHEET 38
- PROPOSED PERENNIAL / GROUNDCOVER / GRASS
- COMBINATION CURB & GUTTER REMOVAL REPLACE WITH COMBINATION CONCRETE CURB & GUTTER, TYPE B9.12(SPECIAL)

NOTES:
ALL PLANTINGS SHALL FOLLOW IDOT BUREAU OF DESIGN & ENVIRONMENT MANUAL - CHAPTER 59 - LANDSCAPE DESIGN AND EROSION CONTROL 59-7.09 PLANTING IN URBANIZED AREA FOR SIGHT DISTANCES.
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ANY AREAS OUTSIDE OF THE LANDSCAPE BEDS THAT ARE DISTURBED SHALL BE REPLACED IN KIND.
FOR LANDSCAPE PLANTING DETAILS SEE SHEETS 36 & 37.
FOR PROPOSED LANDSCAPE WALL DETAILS SEE SHEET 38.
NO PLANTING SHALL BE CLOSER THAN 18" FROM BACK OF MEDIAN CURB. NO TREES SHALL BE CLOSER THAN 4' FROM BACK OF MEDIAN CURB.
FOR ADDITIONAL PLANTING NOTES SEE SHEET 36.
FOR PLANT SCHEDULE SEE SHEET 2.
FOR CONCRETE DETAILS SEE SHEET 38.

BENCH MARK:35
SQUARE CUT ON SW CONC BASE OF ALP, 3RD POLE N. OF 167TH STREET, EAST SIDE OF HARLEM AVENUE
ELEVATION=702.30



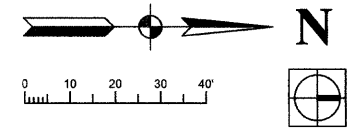
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		CHECKED - JSP	REVISED -
	PLOT SCALE =	DRAWN - PS	REVISED -
	PLOT DATE = 11-30-09	CHECKED - AG	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**








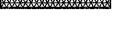



HARLEM AVENUE BEAUTIFICATION - STREETSCAPING LANDSCAPING PLAN		F.A.P. RTE. 348	SECTION 09-00108-00-LS	COUNTY COOK	TOTAL SHEETS 38	SHEET NO. 11
SCALE: 1"=20'	SHEET NO. 11	OF 38 SHEETS	STA.	TO STA.	CONTRACT NO. 63412	

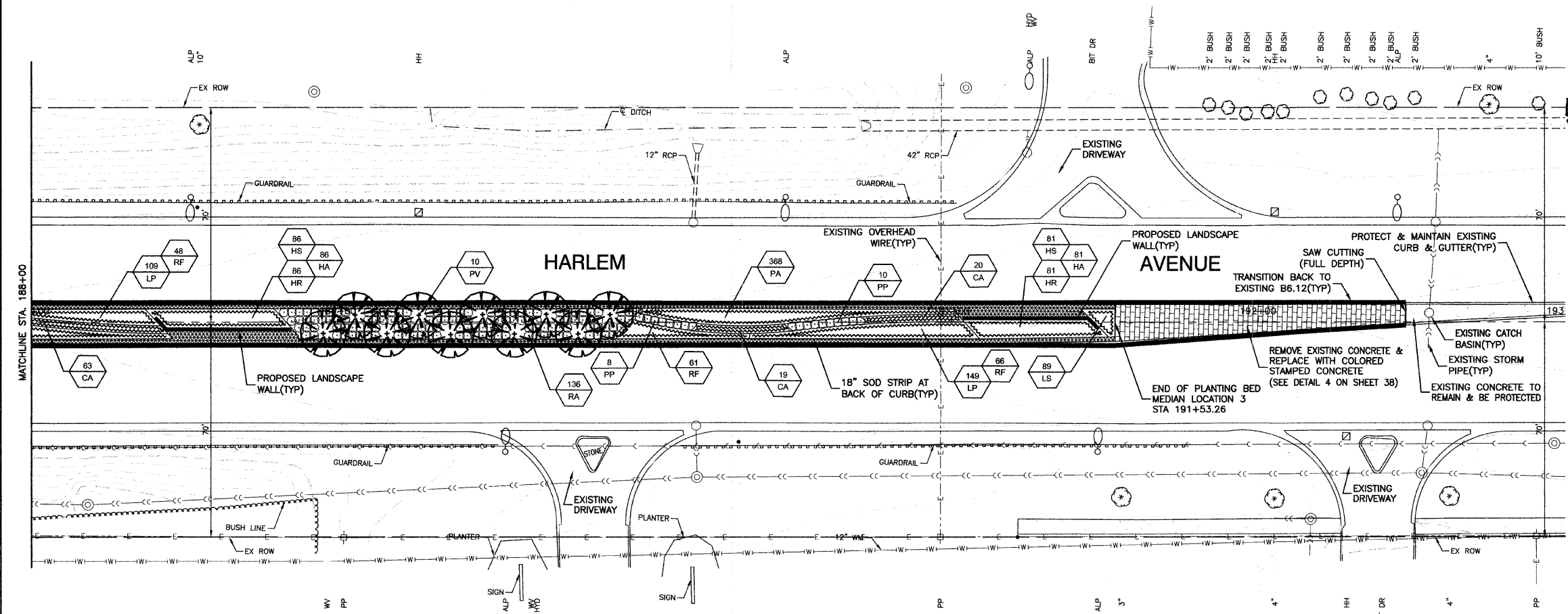
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	ARA-00D1(809)
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SECTION 24, TOWNSHIP 36, RANGE 12
SECTION 19, TOWNSHIP 36, RANGE 13



LEGEND

-  TREE REMOVAL (SPECIAL)
-  EXISTING SHRUBS TO BE RELOCATED
-  PROPOSED DECIDUOUS SHADE TREES(TYP)
-  PROPOSED ORNAMENTAL TREES(TYP)
-  PROPOSED SHRUBS
-  PROPOSED LANDSCAPE WALL
-  EXISTING PLANTING BEDS AND PLANT MATERIAL TO BE REMOVED
-  PROPOSED IDOT SALT TOLERANT SOD
-  REMOVE EXISTING CONCRETE AND REPLACE WITH 5" THICK COLORED STAMPED CONCRETE SEE DETAIL 4 ON SHEET 38
-  PROPOSED PERENNIAL / GROUNDCOVER / GRASS
-  COMBINATION CURB & GUTTER REMOVE AND REPLACE WITH COMBINATION CONCRETE CURB & GUTTER, TYPE B9.12(SPECIAL)

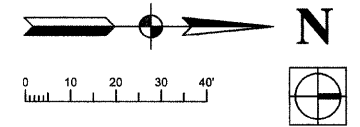


NOTES:
ALL PLANTINGS SHALL FOLLOW IDOT BUREAU OF DESIGN & ENVIRONMENT MANUAL - CHAPTER 59 - LANDSCAPE DESIGN AND EROSION CONTROL 59-7.09 PLANTING IN URBANIZED AREA FOR SIGHT DISTANCES.
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FOR ADDITIONAL PLANTING NOTES SEE SHEET 36.
FOR PLANT SCHEDULE SEE SHEET 2.
FOR CONCRETE DETAILS SEE SHEET 38.

BENCH MARK:35
SQUARE CUT ON SW CONC BASE OF ALP, 3RD POLE N. OF 167TH STREET, EAST SIDE OF HARLEM AVENUE
ELEVATION=702.30

FILE NAME = 09493-PLAN-01 - P20	USER NAME =	DESIGNED -- SDG	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HARLEM AVENUE BEAUTIFICATION - STREETSCAPING LANDSCAPING PLAN	F.A.P. RTE. 348	SECTION 09-00108-00-LS	COUNTY COOK	TOTAL SHEETS 38	SHEET NO. 12	
	CHECKED -- JSP		REVISED --		SCALE: 1"=20'	SHEET NO. 12 OF 38 SHEETS	STA. TO STA.		CONTRACT NO. 63412		
	PLOT SCALE =	DRAWN -- PS	REVISED --		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ARA-00D1(809)						
	PLOT DATE = 11-30-09	CHECKED -- AG	REVISED --								

SECTION 24, TOWNSHIP 36, RANGE 12
SECTION 19, TOWNSHIP 36, RANGE 13

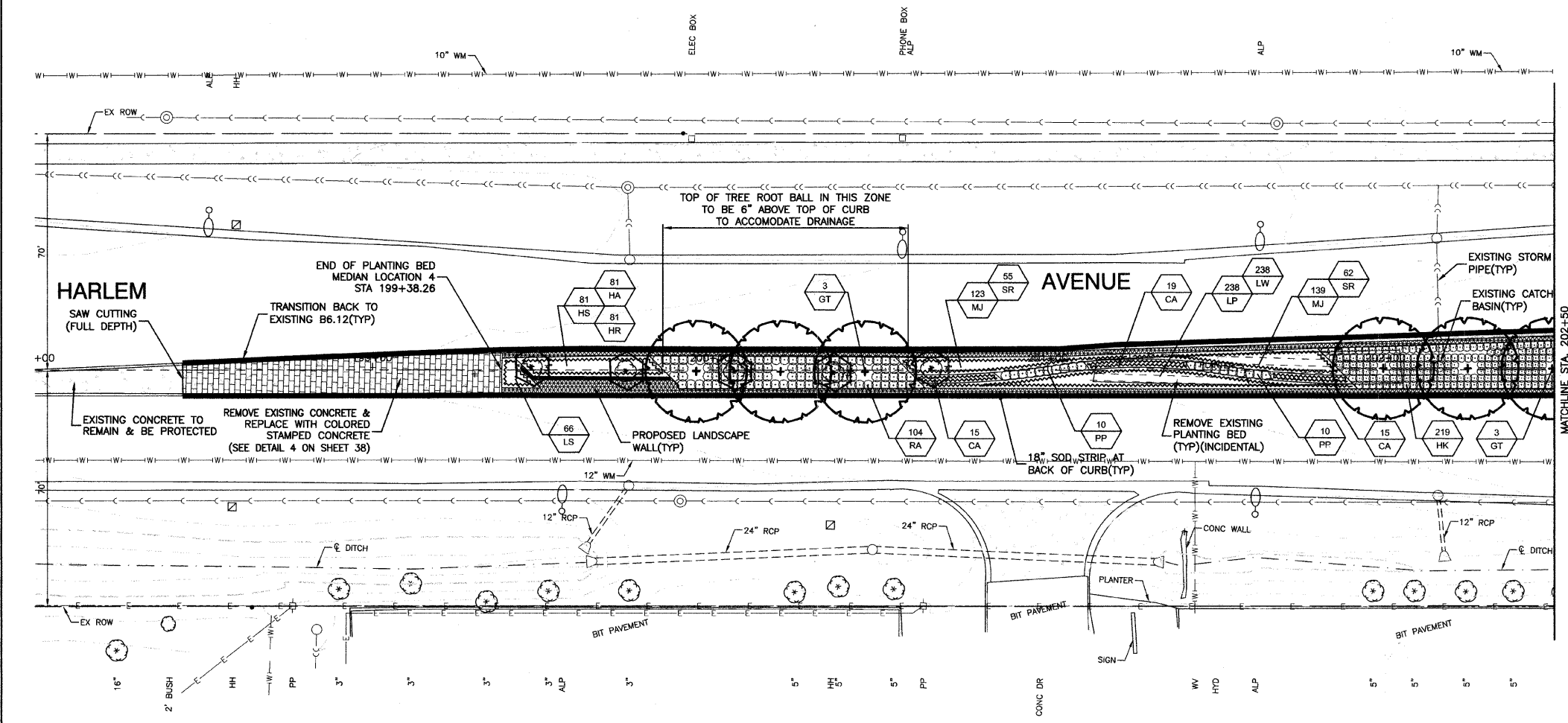


LEGEND

- TREE REMOVAL (SPECIAL)
- EXISTING SHRUBS TO BE RELOCATED
- PROPOSED DECIDUOUS SHADE TREES(TYP)
- PROPOSED ORNAMENTAL TREES(TYP)
- PROPOSED SHRUBS
- PROPOSED LANDSCAPE WALL
- EXISTING PLANTING BEDS AND PLANT MATERIAL TO BE REMOVED
- PROPOSED IDOT SALT TOLERANT SOD
- REMOVE EXISTING CONCRETE AND REPLACE WITH 5" THICK COLORED STAMPED CONCRETE SEE DETAIL 4 ON SHEET 38
- PROPOSED PERENNIAL / GROUNDCOVER / GRASS
- COMBINATION CURB & GUTTER REMOVAL REPLACE WITH COMBINATION CONCRETE CURB & GUTTER, TYPE B9.12(SPECIAL)

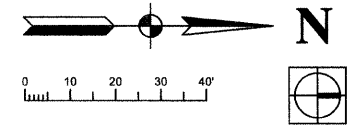
NOTES:
ALL PLANTINGS SHALL FOLLOW IDOT BUREAU OF DESIGN & ENVIRONMENT MANUAL - CHAPTER 59 - LANDSCAPE DESIGN AND EROSION CONTROL 59-7.09 PLANTING IN URBANIZED AREA FOR SIGHT DISTANCES.
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FOR PROPOSED LANDSCAPE WALL DETAILS SEE SHEET 38.
NO PLANTING SHALL BE CLOSER THAN 18" FROM BACK OF MEDIAN CURB. NO TREES SHALL BE CLOSER THAN 4' FROM BACK OF MEDIAN CURB.
FOR ADDITIONAL PLANTING NOTES SEE SHEET 36.
FOR PLANT SCHEDULE SEE SHEET 2.
FOR CONCRETE DETAILS SEE SHEET 38.

BENCH MARK:35
SQUARE CUT ON SW CONC BASE OF ALP, 3RD POLE N. OF 167TH STREET, EAST SIDE OF HARLEM AVENUE
ELEVATION=702.30

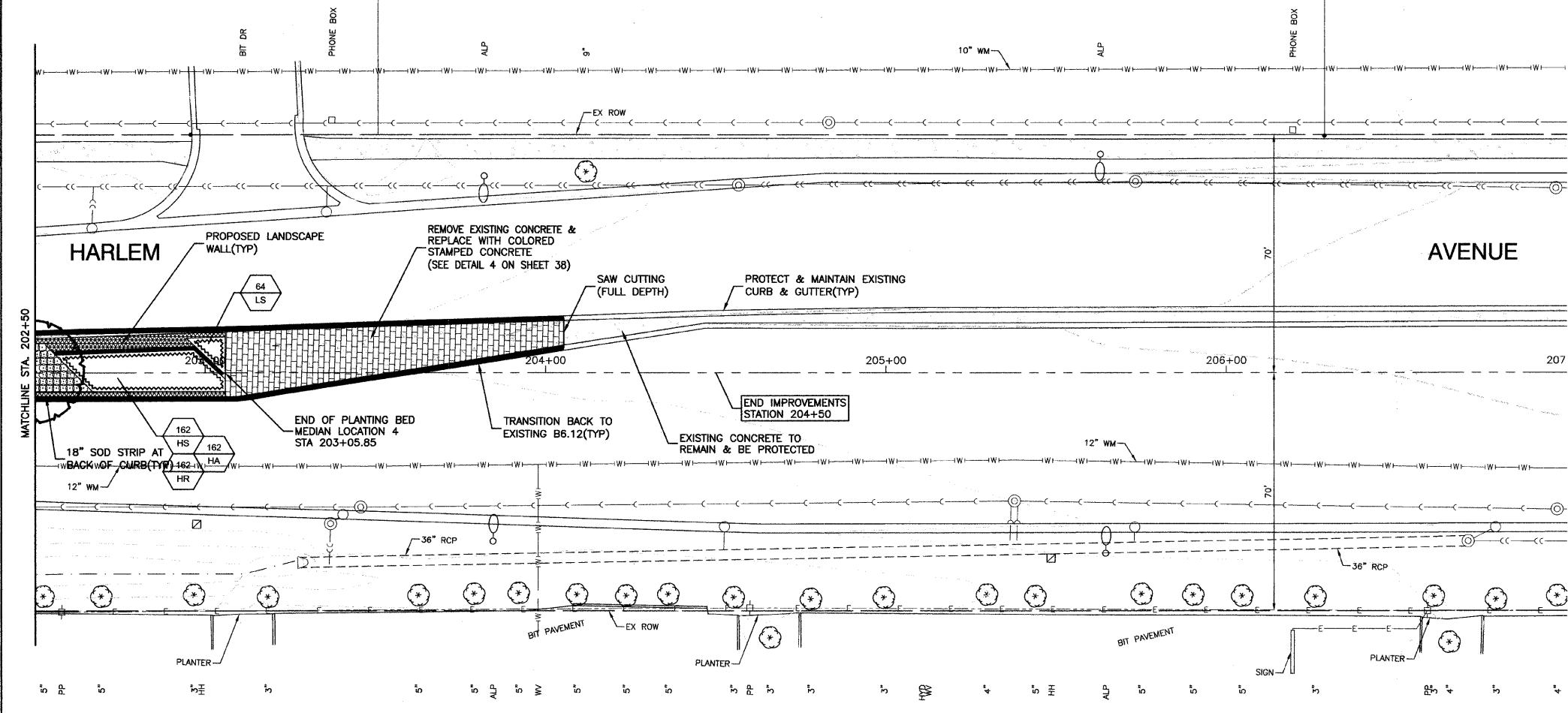


FILE NAME = 09493-PLAN-01 - P22	USER NAME =	DESIGNED -- SDG	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HARLEM AVENUE BEAUTIFICATION - STREETSCAPING LANDSCAPING PLAN		F.A.P. RTE. 348	SECTION 09-00108-00-LS	COUNTY COOK	TOTAL SHEETS 38	SHEET NO. 13	
	PLOT SCALE =	DRAWN -- PS	REVISED --		SCALE: 1"=20'	SHEET NO. 13 OF 38 SHEETS	STA. TO STA.	CONTRACT NO. 63412				
	PLOT DATE = 11-30-09	CHECKED -- AG	REVISED --		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ARA-00D1(809)							

SECTION 24, TOWNSHIP 36, RANGE 12
SECTION 19, TOWNSHIP 36, RANGE 13



- LEGEND**
- TREE REMOVAL (SPECIAL)
 - EXISTING SHRUBS TO BE RELOCATED
 - PROPOSED DECIDUOUS SHADE TREES(TYP)
 - PROPOSED ORNAMENTAL TREES(TYP)
 - PROPOSED SHRUBS
 - PROPOSED LANDSCAPE WALL
 - EXISTING PLANTING BEDS AND PLANT MATERIAL TO BE REMOVED
 - PROPOSED IDOT SALT TOLERANT SOD
 - REMOVE EXISTING CONCRETE AND REPLACE WITH 5" THICK COLORED STAMPED CONCRETE SEE DETAIL 4 ON SHEET 38
 - PROPOSED PERENNIAL / GROUNDCOVER / GRASS
 - COMBINATION CURB & GUTTER REMOVAL REPLACE WITH COMBINATION CONCRETE CURB & GUTTER, TYPE B9.12(SPECIAL)



NOTES:
ALL PLANTINGS SHALL FOLLOW IDOT BUREAU OF DESIGN & ENVIRONMENT MANUAL - CHAPTER 59 - LANDSCAPE DESIGN AND EROSION CONTROL 59-7.09 PLANTING IN URBANIZED AREA FOR SIGHT DISTANCES.

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PLANT QUANTITIES SHOWN ON DRAWINGS ARE APPROXIMATE. CONTRACTOR SHALL PROVIDE PLANT MATERIALS SUFFICIENT TO COVER AREAS SHOWN ON PLANS AT THE SPACINGS INDICATED.

ANY AREAS OUTSIDE OF THE LANDSCAPE BEDS THAT ARE DISTURBED SHALL BE REPLACED IN KIND.

FOR LANDSCAPE PLANTING DETAILS SEE SHEETS 36 & 37.

FOR PROPOSED LANDSCAPE WALL DETAILS SEE SHEET 38.

NO PLANTING SHALL BE CLOSER THAN 18" FROM BACK OF MEDIAN CURB. NO TREES SHALL BE CLOSER THAN 4' FROM BACK OF MEDIAN CURB.

FOR ADDITIONAL PLANTING NOTES SEE SHEET 36.

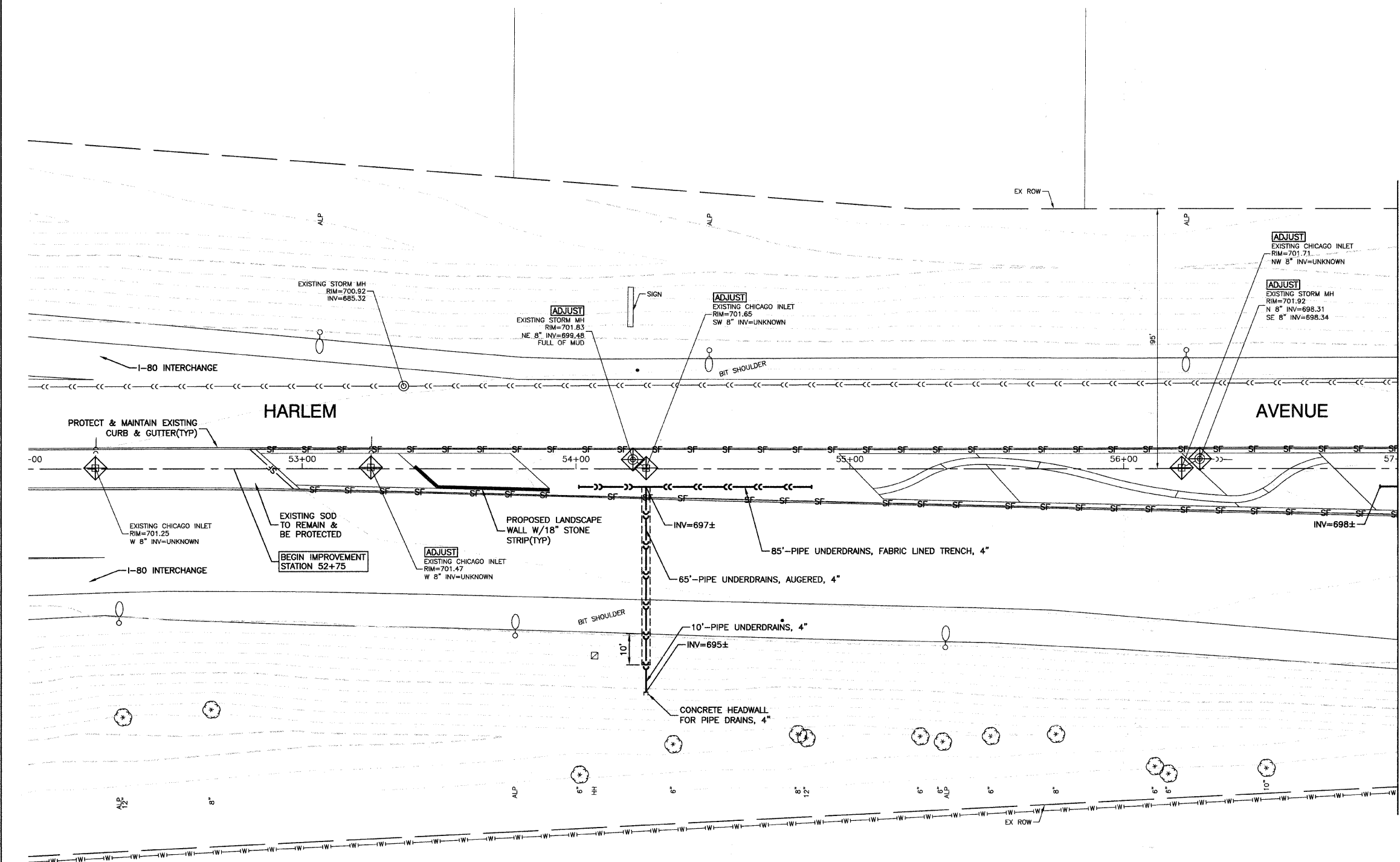
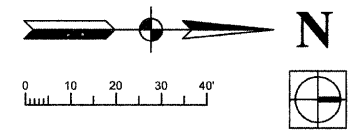
FOR PLANT SCHEDULE SEE SHEET 2.

FOR CONCRETE DETAILS SEE SHEET 38.

BENCH MARK:35
SQUARE CUT ON SW CONC BASE OF ALP, 3RD POLE N. OF 167TH STREET, EAST SIDE OF HARLEM AVENUE
ELEVATION=702.30

FILE NAME = 09493-PLAN-01 - P23	USER NAME =	DESIGNED -- SDG	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HARLEM AVENUE BEAUTIFICATION - STREETSCAPING LANDSCAPING PLAN		F.A.P. RTE. 348	SECTION 09-00108-00-LS	COUNTY COOK	TOTAL SHEETS 38	SHEET NO. 14
	PLOT SCALE =	DRAWN -- PS	REVISED --		SCALE: 1"=20'	SHEET NO. 14 OF 38 SHEETS	STA. TO STA.	CONTRACT NO. 63412			
PLOT DATE = 11-30-09	CHECKED -- AG	REVISED --					FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ARA-00D1(809)				

SECTION 1, TOWNSHIP 35, RANGE 12
SECTION 6, TOWNSHIP 35, RANGE 13



LEGEND

— SF — PERIMETER EROSION BARRIER

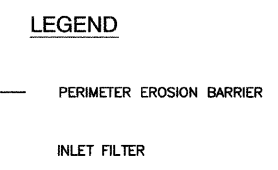
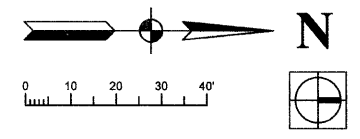
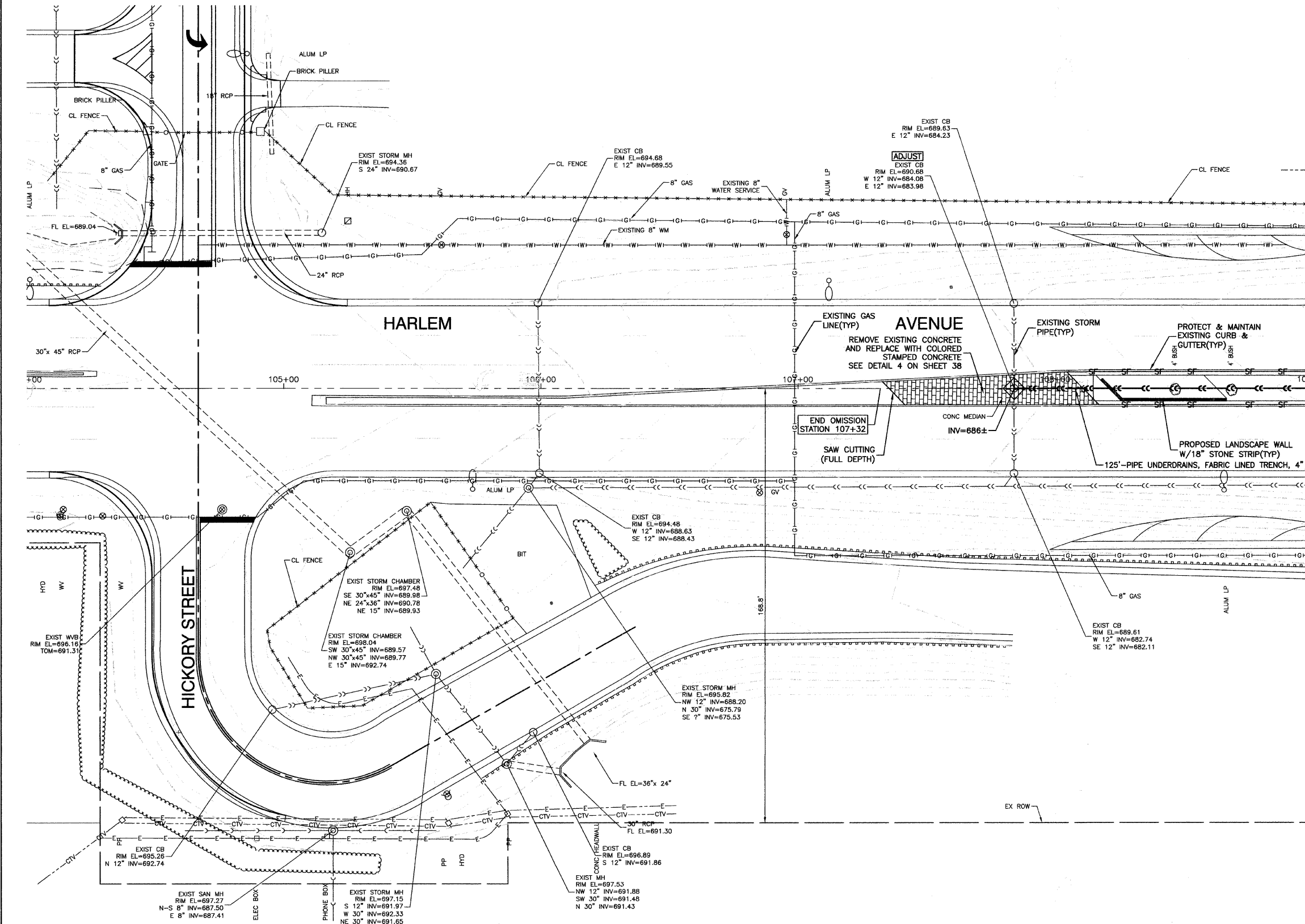
◆ INLET FILTER

NOTES:
PROPOSED PLANTINGS NOT SHOWN FOR CLARITY.
SEE LANDSCAPING PLANS.

BENCH MARK: 172
SQUARE CUT ON W. FACE OF CONC BASE OF ALP, 2ND POLE
S. OF I-80 EXIT RAMP TO NORTHBOUND HARLEM AVENUE
ELEVATION=704.09

FILE NAME = 09403-PLAN-01 - 009	USER NAME =	DESIGNED — SDG	REVISED —	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HARLEM AVENUE BEAUTIFICATION - STREETSCAPING DRAINAGE AND EROSION CONTROL PLAN		F.A.P. RTE. 348	SECTION 09-00108-00-LS	COUNTY COOK	TOTAL SHEETS 38	SHEET NO. 15	
	PLOT SCALE =	DRAWN — PS	REVISED —		SCALE: 1"=20'	SHEET NO. 15 OF 38 SHEETS	STA. TO STA.	CONTRACT NO. 63412				
	PLOT DATE = 11-30-09	CHECKED — AG	REVISED —		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ARA-00D1(809)							

SECTION 36, TOWNSHIP 36, RANGE 12
SECTION 31, TOWNSHIP 36, RANGE 13



NOTES:
PROPOSED PLANTINGS NOT SHOWN FOR CLARITY.
SEE LANDSCAPING PLANS.

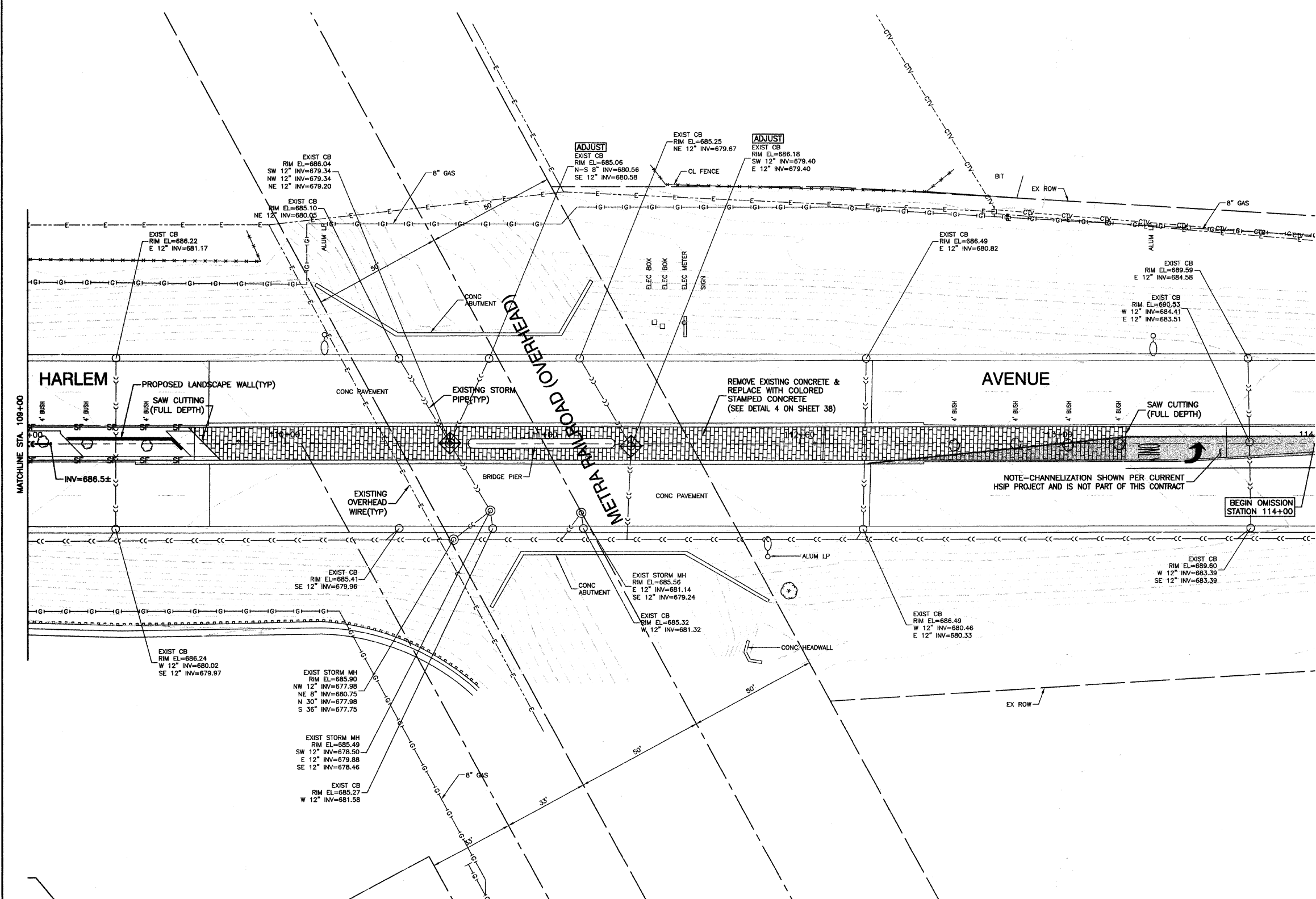
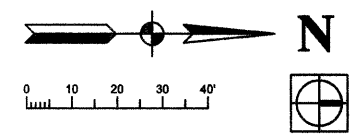
BENCH MARK:172
SQUARE CUT ON W. FACE OF CONC BASE OF ALP, 2ND POLE
S. OF I-80 EXIT RAMP TO NORTHBOUND HARLEM AVENUE
ELEVATION=704.09

FILE NAME = 09493-PLAN-01 - D12	USER NAME =	DESIGNED — SDG	REVISED —
		CHECKED — JSP	REVISED —
	PLOT SCALE =	DRAWN — PS	REVISED —
	PLOT DATE = 11-30-09	CHECKED — AG	REVISED —

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HARLEM AVENUE BEAUTIFICATION - STREETSCAPING DRAINAGE AND EROSION CONTROL PLAN		F.A.P. RTE. 348	SECTION 09-00108-00-LS	COUNTY COOK	TOTAL SHEETS 38	SHEET NO. 17
SCALE: 1"=20'	SHEET NO. 17 OF 38 SHEETS	STA.	TO STA.	CONTRACT NO. 63412		
				FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT ARA-00D1(809)

SECTION 36, TOWNSHIP 36, RANGE 12
SECTION 31, TOWNSHIP 36, RANGE 13



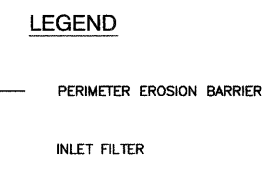
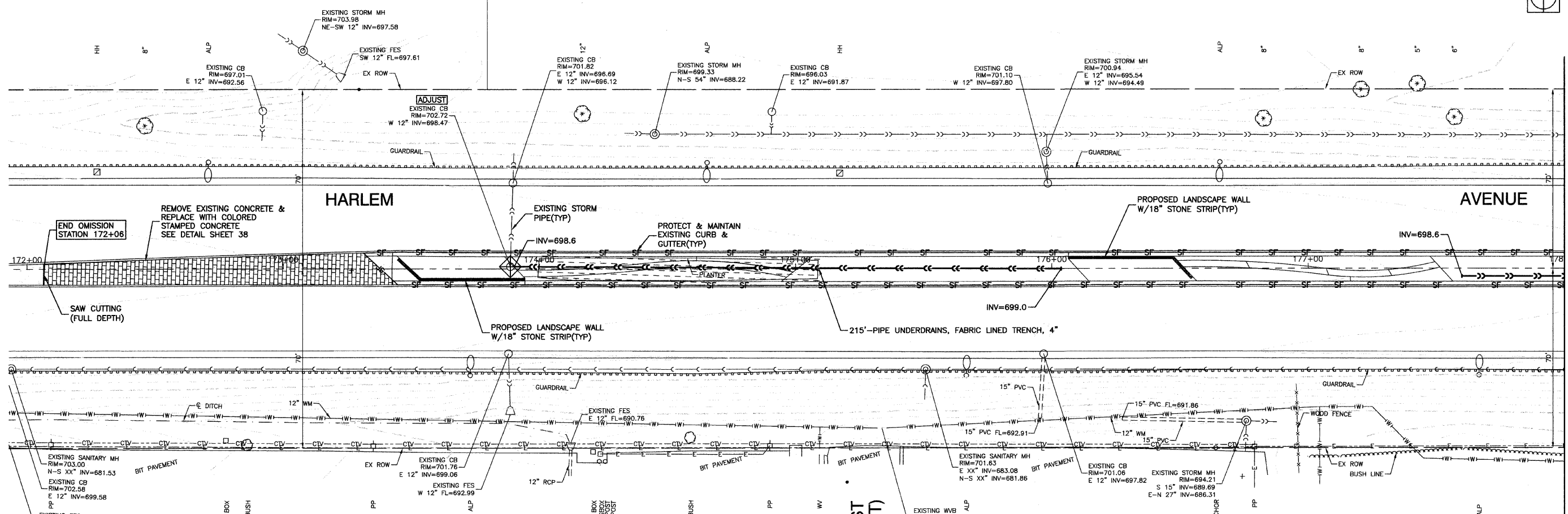
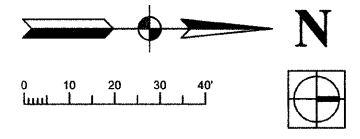
- LEGEND**
- SF— PERIMETER EROSION BARRIER
 - ◆ INLET FILTER

NOTES:
PROPOSED PLANTINGS NOT SHOWN FOR CLARITY.
SEE LANDSCAPING PLANS.

BENCH MARK: 172
SQUARE CUT ON W. FACE OF CONC BASE OF ALP, 2ND POLE
S. OF I-80 EXIT RAMP TO NORTHBOUND HARLEM AVENUE
ELEVATION=704.09

FILE NAME = 09493-PLAN-01 - 013	USER NAME =	DESIGNED — SDG	REVISED —	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HARLEM AVENUE BEAUTIFICATION - STREETSCAPING DRAINAGE AND EROSION CONTROL PLAN		F.A.P. RTE. 348	SECTION 09-00108-00-LS	COUNTY COOK	TOTAL SHEETS 38	SHEET NO. 18
	PLOT SCALE =	DRAWN — PS	REVISED —		SCALE: 1"=20'	SHEET NO. 18 OF 38 SHEETS	STA. TO STA.	CONTRACT NO. 63412			
PLOT DATE = 11-30-09	CHECKED — AG	REVISED —					FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ARA-00D1(809)				

SECTION 24, TOWNSHIP 36, RANGE 12
SECTION 19, TOWNSHIP 36, RANGE 13

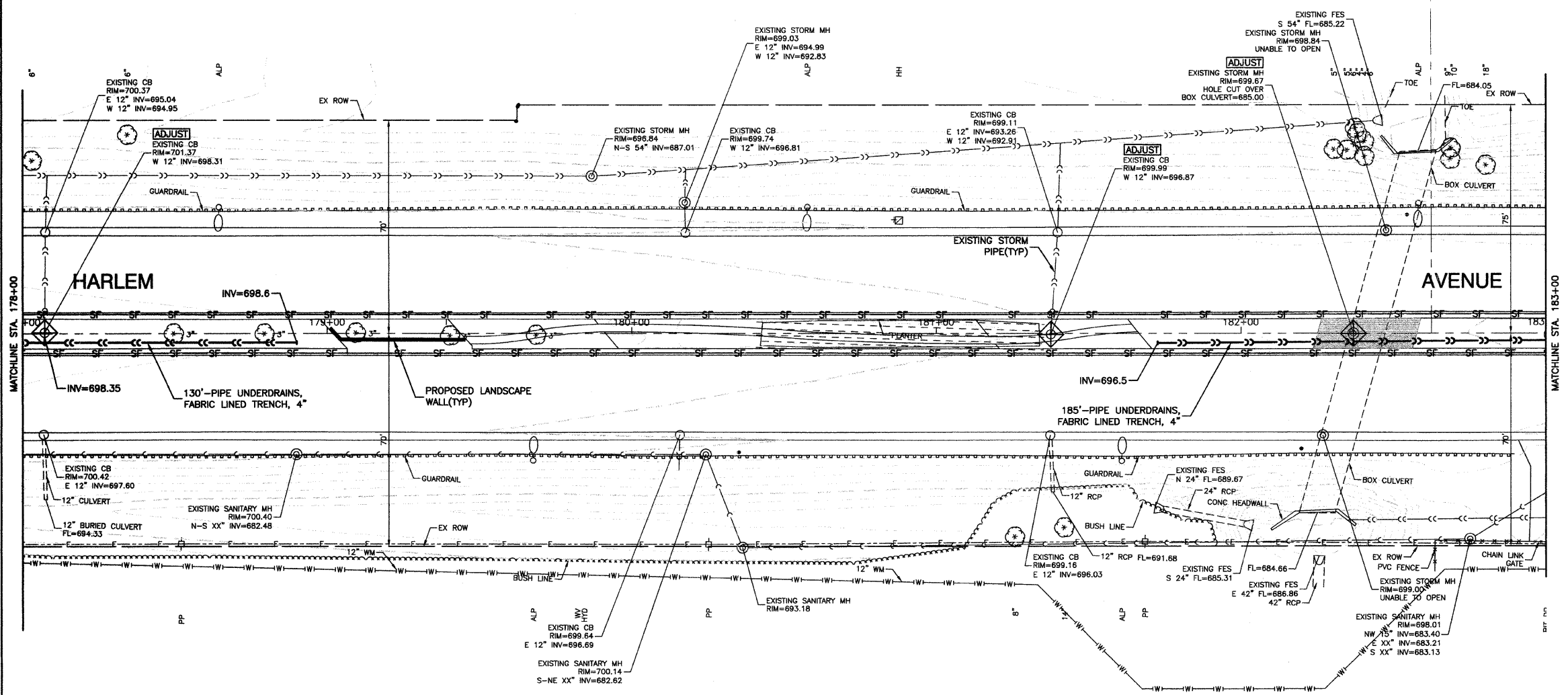
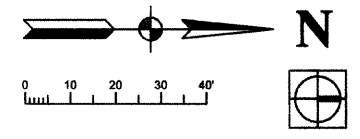


NOTES:
PROPOSED PLANTINGS NOT SHOWN FOR CLARITY.
SEE LANDSCAPING PLANS.

BENCH MARK:35
SQUARE CUT ON SW CONC BASE OF ALP, 3RD POLE N. OF
167TH STREET, EAST SIDE OF HARLEM AVENUE
ELEVATION=702.30

FILE NAME = 09493 PLAN 01 - D17	USER NAME =	DESIGNED -- SDG	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HARLEM AVENUE BEAUTIFICATION - STREETSCAPING DRAINAGE AND EROSION CONTROL PLAN		F.A.P. RTE. 348	SECTION 09-00108-00-LS	COUNTY COOK	TOTAL SHEETS 38	SHEET NO. 19	
	PLOT SCALE =	DRAWN -- PS	REVISED --		SCALE: 1"=20'	SHEET NO. 19 OF 38 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ARA-00D1(809)				
	PLOT DATE = 11-30-09	CHECKED -- AG	REVISED --									
	CONTRACT NO. 63412											

SECTION 24, TOWNSHIP 36, RANGE 12
SECTION 19, TOWNSHIP 36, RANGE 13



LEGEND

- SF — PERIMETER EROSION BARRIER
- ◆ INLET FILTER

NOTES:
PROPOSED PLANTINGS NOT SHOWN FOR CLARITY.
SEE LANDSCAPING PLANS.

BENCH MARK:35
SQUARE CUT ON SW CONC BASE OF ALP, 3RD POLE N. OF
167TH STREET, EAST SIDE OF HARLEM AVENUE
ELEVATION=702.30

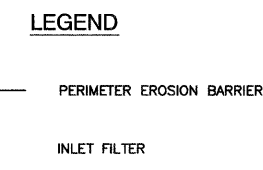
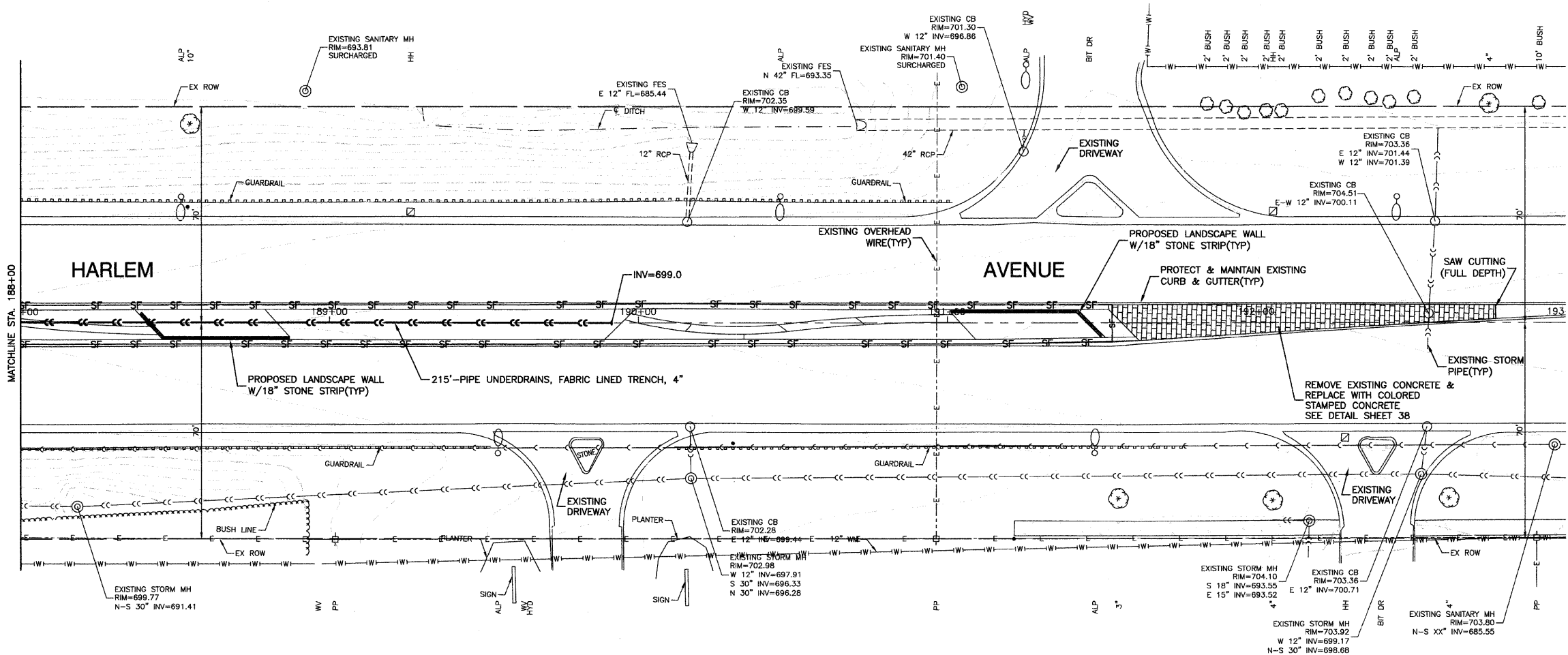
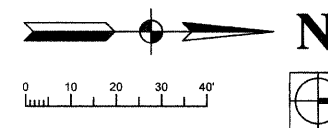
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	PLOT DATE = 11-30-09	CHECKED — AG	REVISED —

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

HARLEM AVENUE BEAUTIFICATION - STREETSCAPING DRAINAGE AND EROSION CONTROL PLAN		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		348	09-00108-00-LS	COOK	38	20
SCALE: 1"=20'		SHEET NO. 20 OF 38 SHEETS		STA.	TO STA.	
		FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	ARA-00D1(809)	

CONTRACT NO. 63412

SECTION 24, TOWNSHIP 36, RANGE 12
SECTION 19, TOWNSHIP 36, RANGE 13

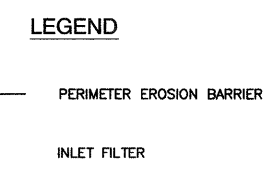
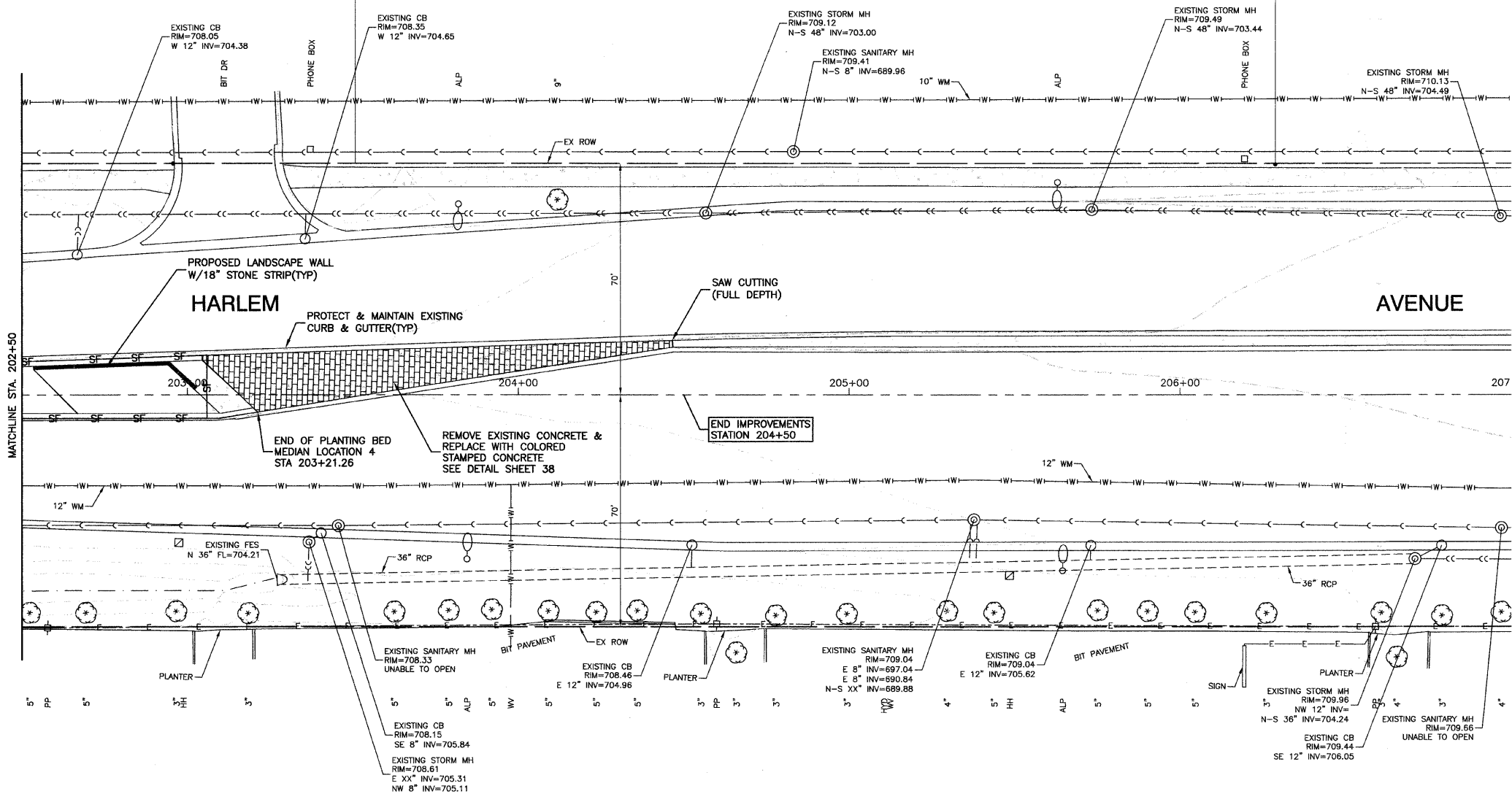
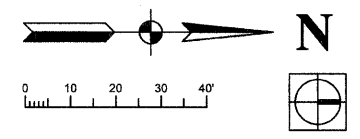


NOTES:
PROPOSED PLANTINGS NOT SHOWN FOR CLARITY.
SEE LANDSCAPING PLANS.

BENCH MARK:35
SQUARE CUT ON SW CONC BASE OF ALP, 3RD POLE N. OF
167TH STREET, EAST SIDE OF HARLEM AVENUE
ELEVATION=702.30

FILE NAME = 09493-PLAN-01 - 020	USER NAME =	DESIGNED — SDG	REVISED —	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HARLEM AVENUE BEAUTIFICATION - STREETSCAPING DRAINAGE AND EROSION CONTROL PLAN		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE =	CHECKED — JSP	REVISED —		348	09-00108-00-LS	COOK	38	22			
	PLOT DATE = 11-30-09	DRAWN — PS	REVISED —		SCALE: 1"=20'		SHEET NO. 22 OF 38 SHEETS		STA. TO STA.		CONTRACT NO. 63412	
		CHECKED — AG	REVISED —		FED. ROAD DIST. NO. 1		ILLINOIS		FED. AID PROJECT ARA-00D1(809)			

SECTION 24, TOWNSHIP 36, RANGE 12
SECTION 19, TOWNSHIP 36, RANGE 13

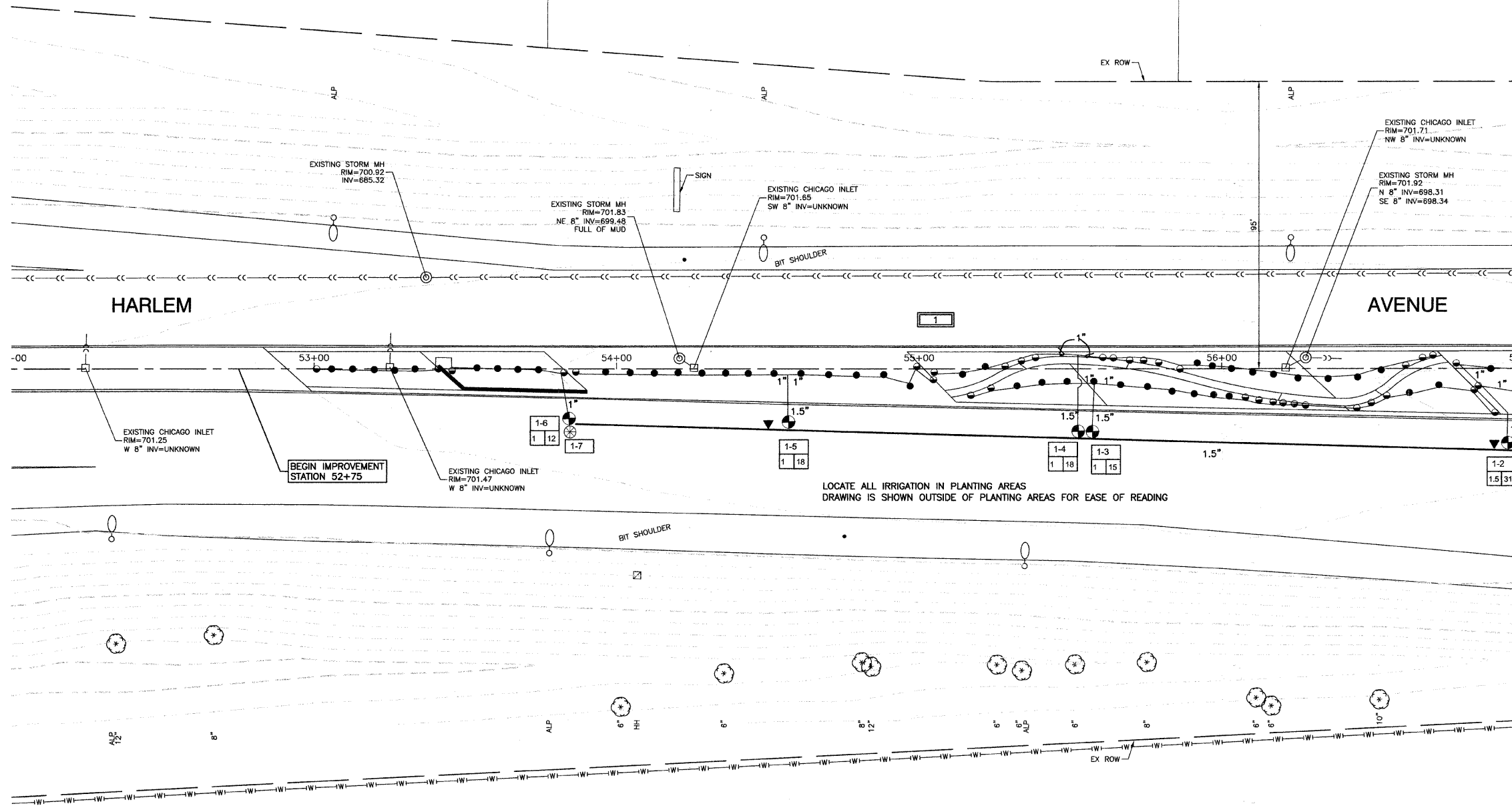
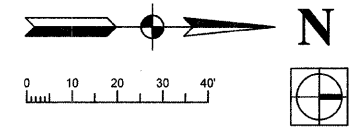


NOTES:
PROPOSED PLANTINGS NOT SHOWN FOR CLARITY.
SEE LANDSCAPING PLANS.

BENCH MARK:35
SQUARE CUT ON SW CONC BASE OF ALP, 3RD POLE N. OF
167TH STREET, EAST SIDE OF HARLEM AVENUE
ELEVATION=702.30

FILE NAME = 09493-PLAN-01 - 023	USER NAME =	DESIGNED — SDG	REVISED —	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HARLEM AVENUE BEAUTIFICATION - STREETSCAPING DRAINAGE AND EROSION CONTROL PLAN		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	CHECKED — JSP	REVISED —		348	09-00108-00-LS	COOK	38	24		
PLOT DATE = 11-30-09	DRAWN — PS	REVISED —		SCALE: 1"=20'	SHEET NO. 24 OF 38 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ARA-00D1(809) CONTRACT NO. 63412				
	CHECKED — AG	REVISED —									

SECTION 1, TOWNSHIP 35, RANGE 12
SECTION 6, TOWNSHIP 35, RANGE 13



LEGEND

- 1 HUNTER XCH XC HYBRID CONTROLLER - BATTERY OPERATED OUTDOOR CONTROLLER WITH RAIN CLICK *OR ENGINEER APPROVED EQUAL COORDINATE WITH ENGINEER FOR MOUNTING LOCATION, INSTALL AND GROUND TO MANUFACTURER'S RECOMMENDATIONS AND DETAILS CONTROLLER IS TO BE LOCATED IN A KS-M2 ENCLOSURE BY BPTI *OR ENGINEER APPROVED EQUAL. COLOR TO BE DARK GREEN. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR TO VERIFY ENCLOSURE SIZE.
 - CL 160 PVC PIPE - MAINLINE, SEE PLAN FOR SIZES
 - 1" & 1.5" PE HD100 PIPE
 - HUNTER INSTITUTIONAL SPRAY WITH CHECK VALVE - 12" PRO SPRAY NOZZLES FULL CIRCLE *OR ENGINEER APPROVED EQUAL - NOZZLE RADIUS VARIES
 - HUNTER INSTITUTIONAL SPRAY WITH CHECK VALVE - 12" PRO SPRAY NOZZLES PART CIRCLE *OR ENGINEER APPROVED EQUAL - NOZZLE RADIUS VARIES
 - HUNTER HQ-44RC SERIES QUICK COUPLER *OR ENGINEER APPROVED EQUAL
 - EXTRA WIRE DROP, LABEL AND LOCATE IN ADJACENT VALVE BOX.
 - ISOLATION GATE VALVE - SIZE TO PIPE
 - HUNTER PGV ELECTRIC VALVES *OR ENGINEER APPROVED EQUAL - SIZE PER PLAN VALVES TO HAVE DC LATCHING SOLENOID.
 - BLOW OUT TAP WITH PLUG
 - RPZ BACKFLOW PREVENTER AND METER - PROVIDED BY THIS CONTRACTOR RPZ TO BE LOCATED IN A ARTIFICIAL ROCK ENCLOSURE. COLOR AND STYLE TO BE APPROVED. CONTRACTOR IS RESPONSIBLE TO ENSURE THAT THE BACKFLOW FITS IN THE ENCLOSURE. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. METER TO BE INSTALLED IN VILLAGE APPROVED VAULT.
 - POINT OF CONNECTION - COORDINATE WITH ENGINEER & GENERAL CONTRACTOR IRRIGATION TAPS VARY. FOLLOW STATE AND LOCAL CODES FROM TAP THROUGH BACKFLOW PREVENTOR, METER AND SYSTEM.
- CONTROLLER NUMBER
 STATION NUMBER
 1 MEDIAN LOCATION
 50 SYSTEM STATIC PRESSURE (NOTIFY OWNER IF PRESSURE IS LESS)
- CONTROLLER SIZING:
 1 8 STATION
 2 4 STATION
 3 12 STATION
 4 12 STATION
 5 8 STATION
- PULSE WIRE COLOR CODE #16 GA. VALVE #
 YELLOW 1 5 9 13
 ORANGE 2 6 10 14
 BLUE 3 7 11 15
 WHITE - COMMON #16 GA.

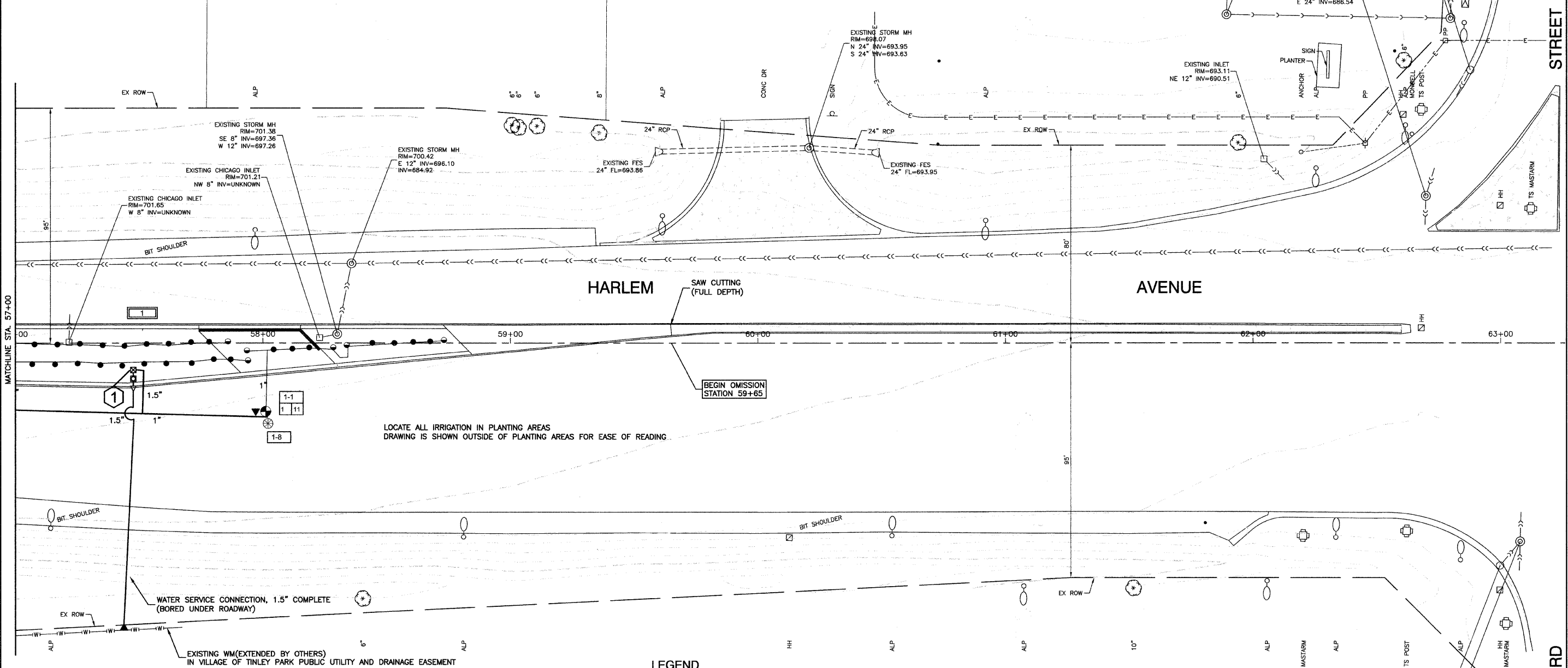
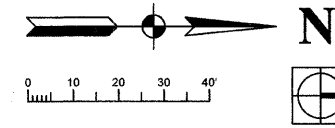
NOTES:
PROPOSED PLANTINGS NOT SHOWN FOR CLARITY.
SEE LANDSCAPING PLANS.

BENCH MARK: 172

SQUARE CUT ON W. FACE OF CONC BASE OF ALP, 2ND POLE
S. OF I-80 EXIT RAMP TO NORTHBOUND HARLEM AVENUE
ELEVATION=704.09

FILE NAME = 09493-PLAN-01 - IR09	USER NAME =	DESIGNED - SDG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HARLEM AVENUE BEAUTIFICATION - STREETSCAPING IRRIGATION PLAN		F.A.P. RTE. 348	SECTION 09-00108-00-LS	COUNTY COOK	TOTAL SHEETS 38	SHEET NO. 25	
		CHECKED - JSP	REVISED -		SCALE: 1"=20'	SHEET NO. 25 OF 38 SHEETS	STA. TO STA.	CONTRACT NO. 63412				
	PLOT SCALE =	DRAWN - PS	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ARA-00D1(809)							
	PLOT DATE = 11-30-09	CHECKED - AG	REVISED -									

SECTION 1, TOWNSHIP 35, RANGE 12
SECTION 6, TOWNSHIP 35, RANGE 13



LOCATE ALL IRRIGATION IN PLANTING AREAS
DRAWING IS SHOWN OUTSIDE OF PLANTING AREAS FOR EASE OF READING.

LEGEND

<p>1 HUNTER XCH XC HYBRID CONTROLLER - BATTERY OPERATED OUTDOOR CONTROLLER WITH RAIN CLICK *OR ENGINEER APPROVED EQUAL. COORDINATE WITH ENGINEER FOR MOUNTING LOCATION. INSTALL AND GROUND TO MANUFACTURER'S RECOMMENDATIONS AND DETAILS. CONTROLLER IS TO BE LOCATED IN A KS-M2 ENCLOSURE BY BFDI *OR ENGINEER APPROVED EQUAL. COLOR TO BE DARK GREEN. INSTALL ENCLOSURE PER MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR TO VERIFY ENCLOSURE SIZE.</p> <p>CL 160 PVC PIPE - MAINLINE, SEE PLAN FOR SIZES</p> <p>1" & 1.5" PE HD100 PIPE</p> <p>HUNTER INSTITUTIONAL SPRAY WITH CHECK VALVE - 12" PRO SPRAY NOZZLES FULL CIRCLE *OR ENGINEER APPROVED EQUAL - NOZZLE RADIUS VARIES</p> <p>HUNTER INSTITUTIONAL SPRAY WITH CHECK VALVE - 12" PRO SPRAY NOZZLES PART CIRCLE *OR ENGINEER APPROVED EQUAL - NOZZLE RADIUS VARIES</p> <p>HUNTER HQ-44RC SERIES QUICK COUPLER *OR ENGINEER APPROVED EQUAL.</p> <p>⊗ EXTRA WIRE DROP, LABEL AND LOCATE IN ADJACENT VALVE BOX.</p>	<p>⊗ ISOLATION GATE VALVE - SIZE TO PIPE</p> <p>⊕ HUNTER PGV ELECTRIC VALVES *OR ENGINEER APPROVED EQUAL - SIZE PER PLAN VALVES TO HAVE DC LATCHING SOLENOID.</p> <p>⊗ BLOW OUT TAP WITH PLUG</p> <p>⊗ RPZ BACKFLOW PREVENTER AND METER - PROVIDED BY THIS CONTRACTOR RPZ TO BE LOCATED IN A ARTIFICIAL ROCK ENCLOSURE. COLOR AND STYLE TO BE APPROVED. CONTRACTOR IS RESPONSIBLE TO ENSURE THAT THE BACKFLOW FITS IN THE ENCLOSURE. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. METER TO BE INSTALLED IN VILLAGE APPROVED VAULT.</p> <p>△ POINT OF CONNECTION - COORDINATE WITH ENGINEER & GENERAL CONTRACTOR IRRIGATION TAPS VARY. FOLLOW STATE AND LOCAL CODES FROM TAP THROUGH BACKFLOW PREVENTOR, METER AND SYSTEM.</p>	<p>1 MEDIAN LOCATION</p>	<p>50 SYSTEM STATIC PRESSURE (NOTIFY OWNER IF PRESSURE IS LESS)</p> <p>PULSE WIRE COLOR CODE #16 GA: VALVE #</p> <table border="1"> <tr><td>RED</td><td>1</td><td>5</td><td>9</td><td>13</td></tr> <tr><td>YELLOW</td><td>2</td><td>6</td><td>10</td><td>14</td></tr> <tr><td>ORANGE</td><td>3</td><td>7</td><td>11</td><td>15</td></tr> <tr><td>BLUE</td><td>4</td><td>8</td><td>12</td><td>16</td></tr> <tr><td>WHITE - COMMON</td><td colspan="4">#16 GA.</td></tr> </table>	RED	1	5	9	13	YELLOW	2	6	10	14	ORANGE	3	7	11	15	BLUE	4	8	12	16	WHITE - COMMON	#16 GA.			
RED	1	5	9	13																								
YELLOW	2	6	10	14																								
ORANGE	3	7	11	15																								
BLUE	4	8	12	16																								
WHITE - COMMON	#16 GA.																											

NOTES:
PROPOSED PLANTINGS NOT SHOWN FOR CLARITY.
SEE LANDSCAPING PLANS.

BENCH MARK: 172
SQUARE CUT ON W. FACE OF CONC BASE OF ALP, 2ND POLE
S. OF I-80 EXIT RAMP TO NORTHBOUND HARLEM AVENUE
ELEVATION=704.09

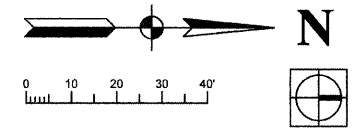
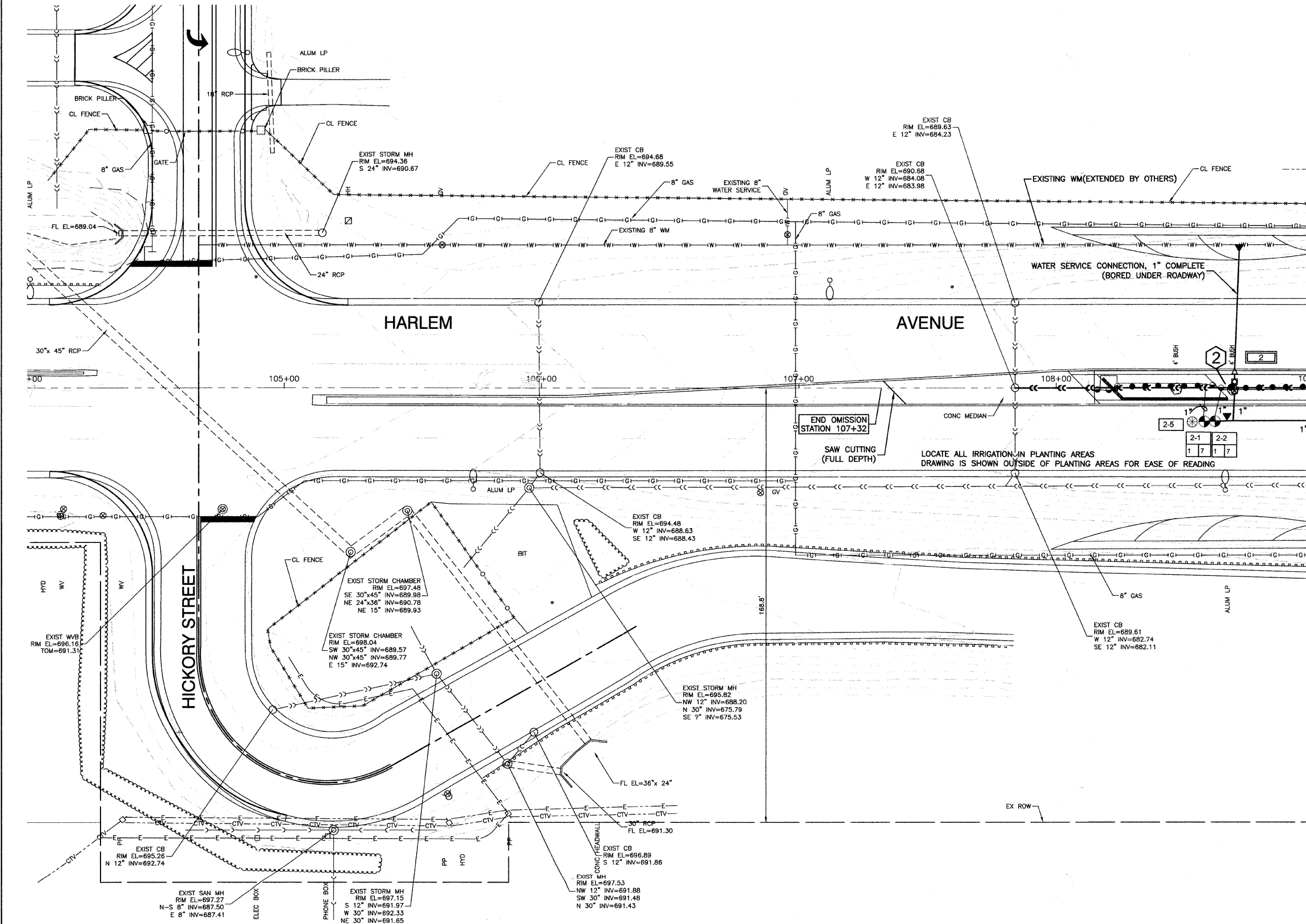
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	PLOT DATE = 11-30-09	CHECKED - AG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HARLEM AVENUE BEAUTIFICATION - STREETSCAPING IRRIGATION PLAN		F.A.P. RTE. 348	SECTION 09-00108-00-LS	COUNTY COOK	TOTAL SHEETS 38	SHEET NO. 26
SCALE: 1"=20'	SHEET NO. 26 OF 38 SHEETS	STA.	TO STA.	CONTRACT NO. 63412		

FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT ARA-00D1(809)
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SECTION 36, TOWNSHIP 36, RANGE 12
SECTION 31, TOWNSHIP 36, RANGE 13



LEGEND

- 1 HUNTER XCH XC HYBRID CONTROLLER - BATTERY OPERATED OUTDOOR CONTROLLER WITH RAIN CLICK *OR ENGINEER APPROVED EQUAL. COORDINATE WITH ENGINEER FOR MOUNTING LOCATION, INSTALL AND GROUND TO MANUFACTURER'S RECOMMENDATIONS AND DETAILS. CONTROLLER IS TO BE LOCATED IN A KS-M2 ENCLOSURE BY BPD1 *OR ENGINEER APPROVED EQUAL. COLOR TO BE DARK GREEN. INSTALL ENCLOSURE PER MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR TO VERIFY ENCLOSURE SIZE
 - CL 160 PVC PIPE - MAINLINE, SEE PLAN FOR SIZES
 - 1" & 1.5" PE HD100 PIPE
 - HUNTER INSTITUTIONAL SPRAY WITH CHECK VALVE
 - 12" PRO SPRAY NOZZLES FULL CIRCLE *OR ENGINEER APPROVED EQUAL - NOZZLE RADIUS VARIES
 - 12" PRO SPRAY NOZZLES PART CIRCLE *OR ENGINEER APPROVED EQUAL - NOZZLE RADIUS VARIES
 - HUNTER HQ-44RC SERIES QUICK COUPLER *OR ENGINEER APPROVED EQUAL
 - EXTRA WIRE DROP, LABEL AND LOCATE IN ADJACENT VALVE BOX.
 - ISOLATION GATE VALVE - SIZE TO PIPE
 - HUNTER PGV ELECTRIC VALVES *OR ENGINEER APPROVED EQUAL - SIZE PER PLAN VALVES TO HAVE DC LATCHING SOLENOID.
 - BLOW OUT TAP WITH PLUG
 - RPZ BACKFLOW PREVENTER AND METER - PROVIDED BY THIS CONTRACTOR RPZ TO BE LOCATED IN A ARTIFICIAL ROCK ENCLOSURE. COLOR AND STYLE TO BE APPROVED. CONTRACTOR IS RESPONSIBLE TO ENSURE THAT THE BACKFLOW FITS IN THE ENCLOSURE. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. METER TO BE INSTALLED IN VILLAGE APPROVED VAULT.
 - POINT OF CONNECTION - COORDINATE WITH ENGINEER & GENERAL CONTRACTOR IRRIGATION TAPS VARY. FOLLOW STATE AND LOCAL CODES FROM TAP THROUGH BACKFLOW PREVENTOR, METER AND SYSTEM.
-
- CONTROLLER NUMBER
- 1-34 STATION NUMBER
- 1-35 ZONE GPM
- 1-36 VALVE SIZE
- 50 SYSTEM STATIC PRESSURE (NOTIFY OWNER IF PRESSURE IS LESS)
-
- CONTROLLER SIZING:
- 1 8 STATION
 - 2 4 STATION
 - 3 12 STATION
 - 4 12 STATION
 - 5 8 STATION
-
- PULSE WIRE COLOR CODE #16 GA.:
- | VALVE # | 1 | 2 | 3 | 4 |
|---------|---|---|----|----|
| RED | 1 | 5 | 9 | 13 |
| YELLOW | 2 | 6 | 10 | 14 |
| ORANGE | 3 | 7 | 11 | 15 |
| BLUE | 4 | 8 | 12 | 16 |
- WHITE - COMMON #16 GA.

NOTES:
PROPOSED PLANTINGS NOT SHOWN FOR CLARITY.
SEE LANDSCAPING PLANS.

BENCH MARK: 172
SQUARE CUT ON W. FACE OF CONC BASE OF ALP, 2ND POLE
S. OF I-80 EXIT RAMP TO NORTHBOUND HARLEM AVENUE
ELEVATION=704.09

FILE NAME = 09493-PLAN-01 - IR12

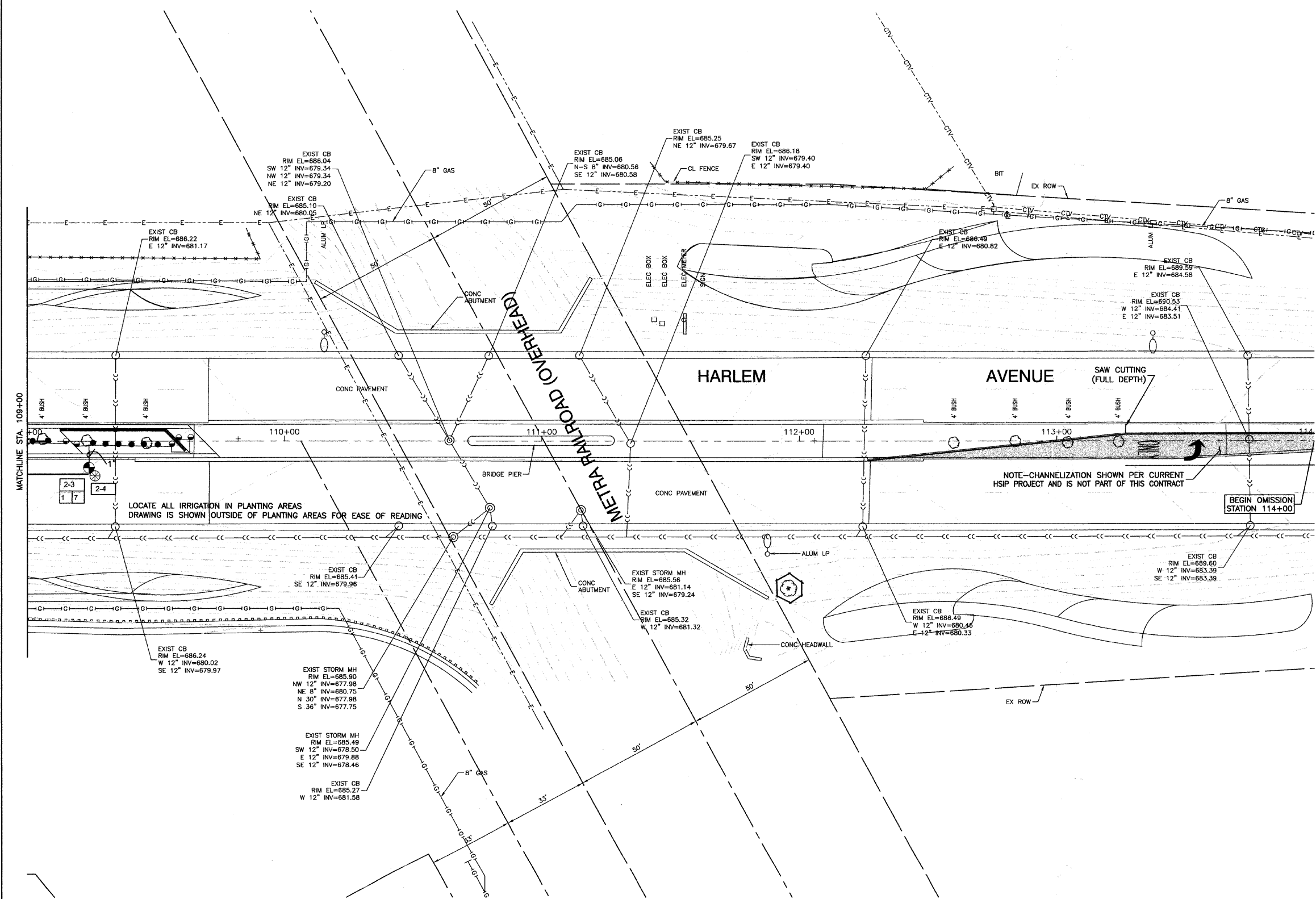
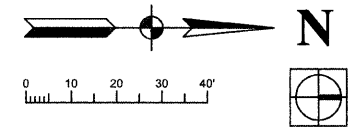
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	CHECKED - JSP	REVISED -
PLOT SCALE =	DRAWN - PS	REVISED -
PLOT DATE = 11-30-09	CHECKED - AG	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

HARLEM AVENUE BEAUTIFICATION - STREETSCAPING IRRIGATION PLAN	
SCALE: 1"=20'	SHEET NO. 27 OF 38 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	09-00108-00-LS	COOK	38	27
CONTRACT NO. 63412				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ARA-00D1(809)				

SECTION 36, TOWNSHIP 36, RANGE 12
SECTION 31, TOWNSHIP 36, RANGE 13



LEGEND

1 HUNTER XCH XC HYBRID CONTROLLER - BATTERY OPERATED OUTDOOR CONTROLLER WITH RAIN CLICK *OR ENGINEER APPROVED EQUAL. COORDINATE WITH ENGINEER FOR MOUNTING LOCATION, INSTALL AND GROUND TO MANUFACTURER'S RECOMMENDATIONS AND DETAILS. CONTROLLER IS TO BE LOCATED IN A KS-M2 ENCLOSURE BY BPOI *OR ENGINEER APPROVED EQUAL. COLOR TO BE DARK GREEN. INSTALL ENCLOSURE PER MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR TO VERIFY ENCLOSURE SIZE.

CL 160 PVC PIPE - MAINLINE, SEE PLAN FOR SIZES

1" & 1.5" PE HD100 PIPE

HUNTER INSTITUTIONAL SPRAY WITH CHECK VALVE

12" PRO SPRAY NOZZLES FULL CIRCLE *OR ENGINEER APPROVED EQUAL - NOZZLE RADIUS VARIES

HUNTER INSTITUTIONAL SPRAY WITH CHECK VALVE

12" PRO SPRAY NOZZLES PART CIRCLE *OR ENGINEER APPROVED EQUAL - NOZZLE RADIUS VARIES

HUNTER HQ-44RC SERIES QUICK COUPLER *OR ENGINEER APPROVED EQUAL

EXTRA WIRE DROP, LABEL AND LOCATE IN ADJACENT VALVE BOX.

ISOLATION GATE VALVE - SIZE TO PIPE

HUNTER PGV ELECTRIC VALVES *OR ENGINEER APPROVED EQUAL - SIZE PER PLAN. VALVES TO HAVE DC LATCHING SOLENOID.

BLOW OUT TAP WITH PLUG

RPZ BACKFLOW PREVENTER AND METER - PROVIDED BY THIS CONTRACTOR. RPZ TO BE LOCATED IN AN ARTIFICIAL ROCK ENCLOSURE. COLOR AND STYLE TO BE APPROVED. CONTRACTOR IS RESPONSIBLE TO ENSURE THAT THE BACKFLOW FITS IN THE ENCLOSURE. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. METER TO BE INSTALLED IN VILLAGE APPROVED VAULT.

POINT OF CONNECTION - COORDINATE WITH ENGINEER & GENERAL CONTRACTOR. IRRIGATION TAPS VARY. FOLLOW STATE AND LOCAL CODES FROM TAP THROUGH BACKFLOW PREVENTOR, METER AND SYSTEM.

1-24 CONTROLLER NUMBER
1135 STATION NUMBER
1 MEDIAN LOCATION
1135 ZONE GPM
1 VALVE SIZE
50 SYSTEM STATIC PRESSURE (NOTIFY OWNER IF PRESSURE IS LESS)

CONTROLLER SIZING:

1	8 STATION
2	4 STATION
3	12 STATION
4	12 STATION
5	8 STATION

PULSE WIRE COLOR CODE #16 GA:

VALVE #	RED	YELLOW	ORANGE	BLUE	WHITE - COMMON #16 GA.
1	1	5	9	13	
2	1	5	10	14	
3	1	5	11	15	
4	1	5	12	16	

NOTES:
PROPOSED PLANTINGS NOT SHOWN FOR CLARITY.
SEE LANDSCAPING PLANS.

BENCH MARK: 172

SQUARE CUT ON W. FACE OF CONC BASE OF ALP, 2ND POLE
S. OF I-80 EXIT RAMP TO NORTHBOUND HARLEM AVENUE
ELEVATION=704.09

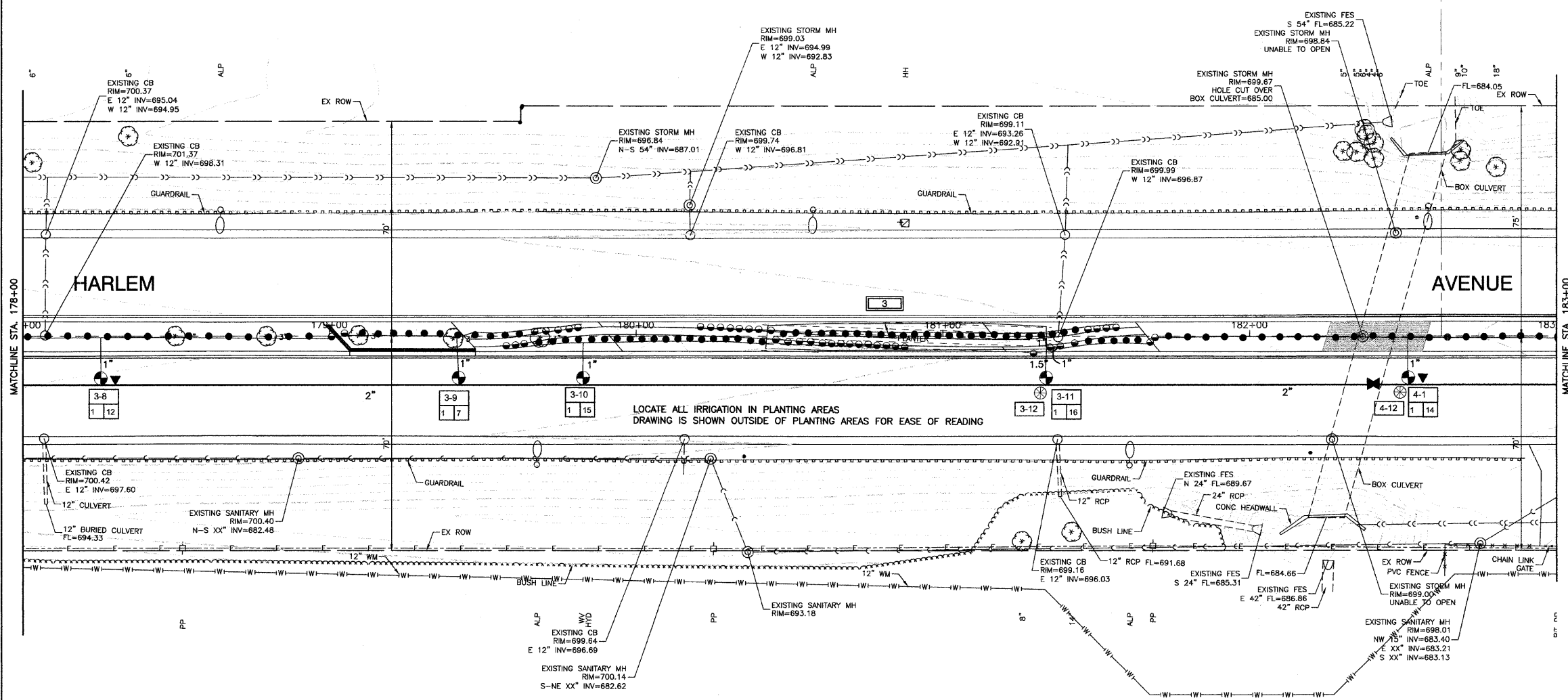
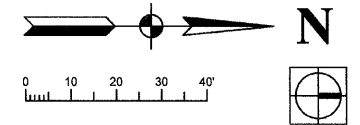
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		CHECKED - JSP	REVISED -
	PLOT SCALE =	DRAWN - PS	REVISED -
	PLOT DATE = 11-30-09	CHECKED - AG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HARLEM AVENUE BEAUTIFICATION - STREETSCAPING IRRIGATION PLAN		F.A.P. RTE. 348	SECTION 09-00108-00-LS	COUNTY COOK	TOTAL SHEETS 38	SHEET NO. 28
SCALE: 1"=20'	SHEET NO. 26 OF 38 SHEETS	STA.	TO STA.	CONTRACT NO. 63412		

FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT ARA-00D1(809)
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SECTION 24, TOWNSHIP 36, RANGE 12
SECTION 19, TOWNSHIP 36, RANGE 13



LEGEND

- 1 HUNTER XCH XC HYBRID CONTROLLER - BATTERY OPERATED OUTDOOR CONTROLLER WITH RAIN CLICK *OR ENGINEER APPROVED EQUAL. COORDINATE WITH ENGINEER FOR MOUNTING LOCATION, INSTALL AND GROUND TO MANUFACTURER'S RECOMMENDATIONS AND DETAILS CONTROLLER IS TO BE LOCATED IN A KS-M2 ENCLOSURE BY BPOI *OR ENGINEER APPROVED EQUAL. COLOR TO BE DARK GREEN. INSTALL ENCLOSURE PER MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR TO VERIFY ENCLOSURE SIZE.
 - CL 160 PVC PIPE - MAINLINE, SEE PLAN FOR SIZES
 - 1" & 1.5" PE HD100 PIPE
 - HUNTER INSTITUTIONAL SPRAY WITH CHECK VALVE
 - 12" PRO SPRAY NOZZLES FULL CIRCLE *OR ENGINEER APPROVED EQUAL - NOZZLE RADIUS VARIES
 - 12" PRO SPRAY NOZZLES PART CIRCLE *OR ENGINEER APPROVED EQUAL - NOZZLE RADIUS VARIES
 - HUNTER HQ-44RC SERIES QUICK COUPLER *OR ENGINEER APPROVED EQUAL
 - EXTRA WIRE DROP, LABEL AND LOCATE IN ADJACENT VALVE BOX.
 - ISOLATION GATE VALVE - SIZE TO PIPE
 - HUNTER PGV ELECTRIC VALVES *OR ENGINEER APPROVED EQUAL - SIZE PER PLAN VALVES TO HAVE DC LATCHING SOLENOID.
 - BLOW OUT TAP WITH PLUG
 - RPZ BACKFLOW PREVENTER AND METER - PROVIDED BY THIS CONTRACTOR RPZ TO BE LOCATED IN AN ARTIFICIAL ROCK ENCLOSURE. COLOR AND STYLE TO BE APPROVED. CONTRACTOR IS RESPONSIBLE TO ENSURE THAT THE BACKFLOW FITS IN THE ENCLOSURE. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. METER TO BE INSTALLED IN VILLAGE APPROVED VAULT.
 - POINT OF CONNECTION - COORDINATE WITH ENGINEER & GENERAL CONTRACTOR IRRIGATION TAPS VARY. FOLLOW STATE AND LOCAL CODES FROM TAP THROUGH BACKFLOW PREVENTOR, METER AND SYSTEM.
-
- CONTROLLER NUMBER
STATION NUMBER
- 1 MEDIAN LOCATION
- 50 SYSTEM STATIC PRESSURE (NOTIFY OWNER IF PRESSURE IS LESS)
- CONTROLLER SIZING:
- 1 8 STATION
 - 2 4 STATION
 - 3 12 STATION
 - 4 12 STATION
 - 5 8 STATION
- PULSE WIRE COLOR CODE #16 GA. VALVE #
- | | | | | |
|--------|---|---|----|----|
| RED | 1 | 5 | 9 | 13 |
| YELLOW | 2 | 6 | 10 | 14 |
| ORANGE | 3 | 7 | 11 | 15 |
| BLUE | 4 | 8 | 12 | 16 |
- WHITE - COMMON #16 GA.

NOTES:
PROPOSED PLANTINGS NOT SHOWN FOR CLARITY.
SEE LANDSCAPING PLANS.

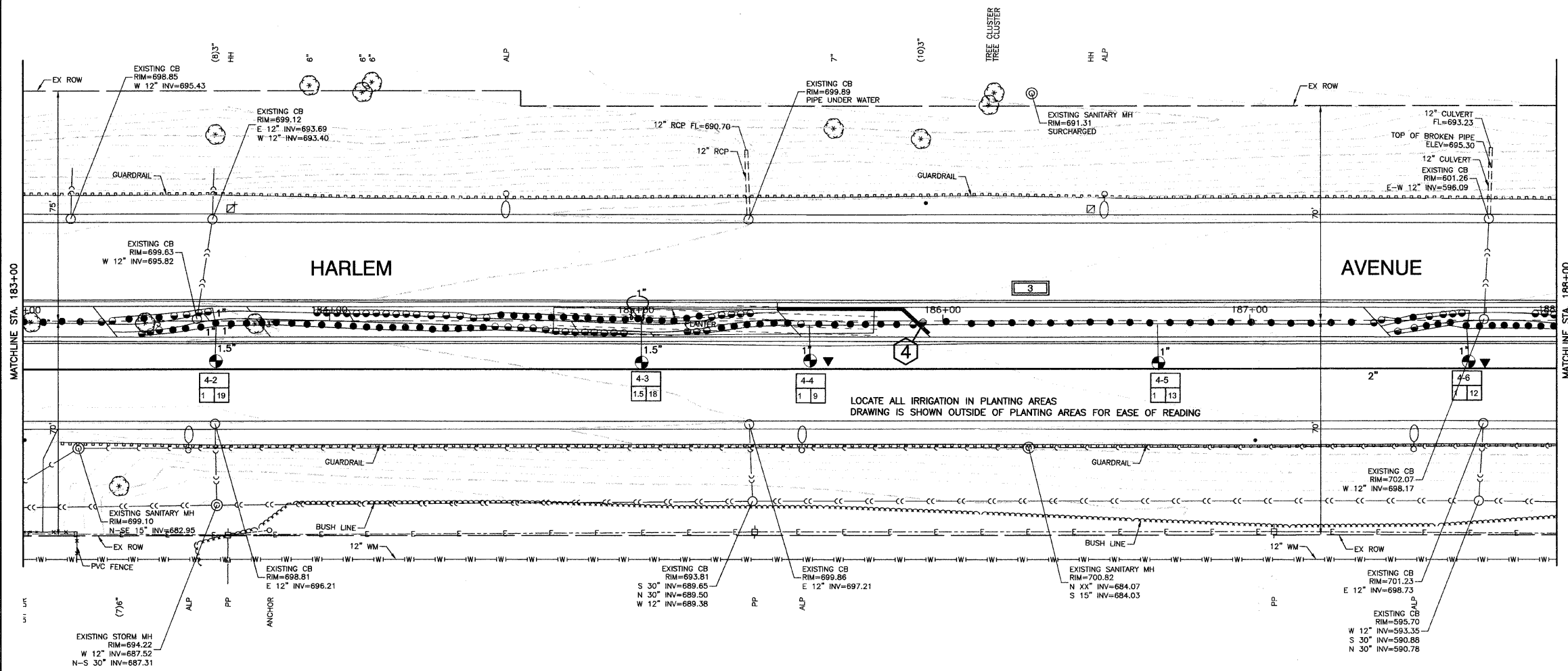
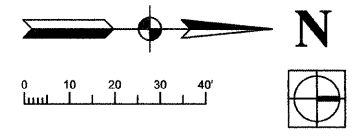
BENCH MARK:35
SQUARE CUT ON SW CONC BASE OF ALP, 3RD POLE N. OF 167TH STREET, EAST SIDE OF HARLEM AVENUE
ELEVATION=702.30

FILE NAME = 09493-PLAN-01 - IR18	USER NAME =	DESIGNED - SDG	REVISED -
	CHECKED - JSP	REVISED -	
	PLOT SCALE =	DRAWN - PS	REVISED -
	PLOT DATE = 11-30-09	CHECKED - AG	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

HARLEM AVENUE BEAUTIFICATION - STREETSCAPING IRRIGATION PLAN		F.A.P. RTE. 348	SECTION 09-00108-00-LS	COUNTY COOK	TOTAL SHEETS 38	SHEET NO. 30
SCALE: 1"=20'		SHEET NO. 30 OF 38 SHEETS		STA. TO STA.		CONTRACT NO. 63412
		FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT ARA-00D1(809)		

SECTION 24, TOWNSHIP 36, RANGE 12
SECTION 19, TOWNSHIP 36, RANGE 13



LEGEND

- 1 HUNTER XCH XC HYBRID CONTROLLER - BATTERY OPERATED OUTDOOR CONTROLLER WITH RAIN CLICK *OR ENGINEER APPROVED EQUAL. COORDINATE WITH ENGINEER FOR MOUNTING LOCATION, INSTALL AND GROUND TO MANUFACTURER'S RECOMMENDATIONS AND DETAILS. CONTROLLER IS TO BE LOCATED IN A KS-M2 ENCLOSURE BY BFDI *OR ENGINEER APPROVED EQUAL. COLOR TO BE DARK GREEN. INSTALL ENCLOSURE PER MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR TO VERIFY ENCLOSURE SIZE
- CL 160 PVC PIPE - MAINLINE, SEE PLAN FOR SIZES
- 1" & 1.5" PE HD100 PIPE
- HUNTER INSTITUTIONAL SPRAY WITH CHECK VALVE - 12" PRO SPRAY NOZZLES FULL CIRCLE *OR ENGINEER APPROVED EQUAL - NOZZLE RADIUS VARIES
- HUNTER INSTITUTIONAL SPRAY WITH CHECK VALVE - 12" PRO SPRAY NOZZLES PART CIRCLE *OR ENGINEER APPROVED EQUAL - NOZZLE RADIUS VARIES
- HUNTER HQ-44RC SERIES QUICK COUPLER *OR ENGINEER APPROVED EQUAL
- EXTRA WIRE DROP, LABEL AND LOCATE IN ADJACENT VALVE BOX.
- ISOLATION GATE VALVE - SIZE TO PIPE
- HUNTER PGV ELECTRIC VALVES *OR ENGINEER APPROVED EQUAL - SIZE PER PLAN VALVES TO HAVE DC LATCHING SOLENOID.
- BLOW OUT TAP WITH PLUG
- RPZ BACKFLOW PREVENTER AND METER - PROVIDED BY THIS CONTRACTOR RPZ TO BE LOCATED IN A ARTIFICIAL ROCK ENCLOSURE. COLOR AND STYLE TO BE APPROVED. CONTRACTOR IS RESPONSIBLE TO ENSURE THAT THE BACKFLOW FITS IN THE ENCLOSURE. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. METER TO BE INSTALLED IN VILLAGE APPROVED VAULT.
- POINT OF CONNECTION - COORDINATE WITH ENGINEER & GENERAL CONTRACTOR IRRIGATION TAPS VARY. FOLLOW STATE AND LOCAL CODES FROM TAP THROUGH BACKFLOW PREVENTOR, METER AND SYSTEM.

CONTROLLER NUMBER

1-34 STATION NUMBER

1-35 ZONE GPM

50 VALVE SIZE

50 SYSTEM STATIC PRESSURE (NOTIFY OWNER IF PRESSURE IS LESS)

CONTROLLER SIZING:

- 1 8 STATION
- 2 4 STATION
- 3 12 STATION
- 4 12 STATION
- 5 8 STATION

PULSE WIRE COLOR CODE #16 GA.:

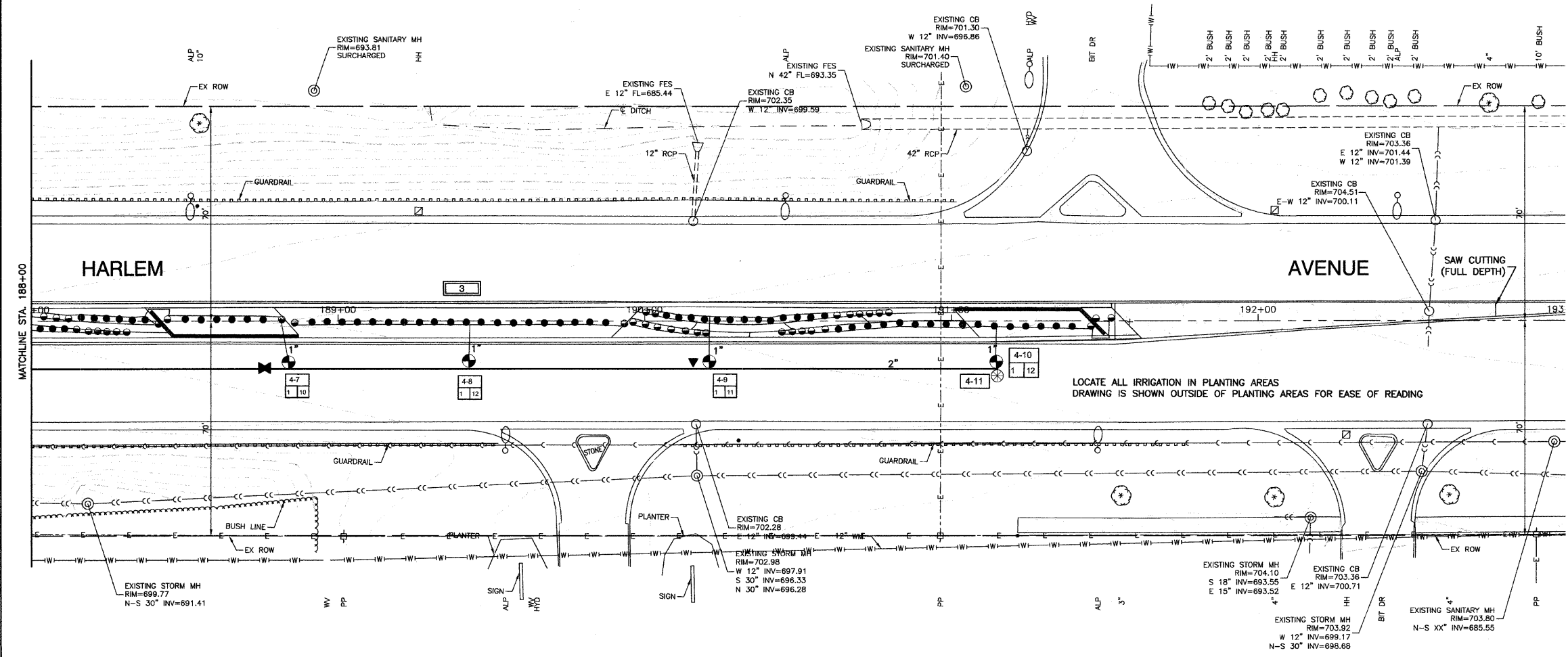
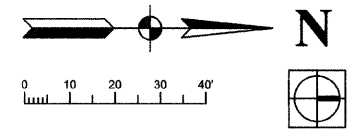
VALVE #	COLOR
1	RED
2	YELLOW
3	ORANGE
4	BLUE
5	WHITE - COMMON #16 GA.

NOTES:
PROPOSED PLANTINGS NOT SHOWN FOR CLARITY.
SEE LANDSCAPING PLANS.

BENCH MARK:35
SQUARE CUT ON SW CONC BASE OF ALP, 3RD POLE N. OF 167TH STREET, EAST SIDE OF HARLEM AVENUE. ELEVATION=702.30

FILE NAME = 09493-PLAN-01 - IR19	USER NAME =	DESIGNED -- SDG	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HARLEM AVENUE BEAUTIFICATION - STREETSCAPING IRRIGATION PLAN		F.A.P. RTE. 348	SECTION 09-00108-00-LS	COUNTY COOK	TOTAL SHEETS 38	SHEET NO. 31	
	PLOT SCALE =	CHECKED -- JSP	REVISED --		SCALE: 1"=20'	SHEET NO. 31 OF 38 SHEETS	STA. TO STA.	CONTRACT NO. 63412				
	PLOT DATE = 11-30-09	DRAWN -- PS	REVISED --		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ARA-00D1(809)							
		CHECKED -- AG	REVISED --									

SECTION 24, TOWNSHIP 36, RANGE 12
SECTION 19, TOWNSHIP 36, RANGE 13



LEGEND

- 1 HUNTER XCH XC HYBRID CONTROLLER - BATTERY OPERATED OUTDOOR CONTROLLER WITH RAIN CLICK *OR ENGINEER APPROVED EQUAL. COORDINATE WITH ENGINEER FOR MOUNTING LOCATION. INSTALL AND GROUND TO MANUFACTURER'S RECOMMENDATIONS AND DETAILS. CONTROLLER IS TO BE LOCATED IN A KS-M2 ENCLOSURE BY BFDI *OR ENGINEER APPROVED EQUAL. COLOR TO BE DARK GREEN. INSTALL ENCLOSURE PER MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR TO VERIFY ENCLOSURE SIZE.
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- 1" & 1.5" PE HD100 PIPE
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- HUNTER INSTITUTIONAL SPRAY WITH CHECK VALVE - 12" PRO SPRAY NOZZLES PART CIRCLE *OR ENGINEER APPROVED EQUAL - NOZZLE RADIUS VARIES
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- ISOLATION GATE VALVE - SIZE TO PIPE
- HUNTER PGV ELECTRIC VALVES *OR ENGINEER APPROVED EQUAL - SIZE PER PLAN VALVES TO HAVE DC LATCHING SOLENOID.
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- POINT OF CONNECTION - COORDINATE WITH ENGINEER & GENERAL CONTRACTOR IRRIGATION TAPS VARY. FOLLOW STATE AND LOCAL CODES FROM TAP THROUGH BACKFLOW PREVENTOR, METER AND SYSTEM.

CONTROLLER NUMBER
STATION NUMBER
1-24
1-35
ZONE GPM
VALVE SIZE

50 SYSTEM STATIC PRESSURE
(NOTIFY OWNER IF PRESSURE IS LESS)

CONTROLLER SIZING:

- 1 8 STATION
- 2 4 STATION
- 3 12 STATION
- 4 12 STATION
- 5 8 STATION

PULSE WIRE COLOR CODE #16 GA.:

VALVE #	RED	YELLOW	ORANGE	BLUE	WHITE - COMMON #16 GA.
1	1	2	3	4	
2	5	6	7	8	
3	9	10	11	12	
4	13	14	15	16	

NOTES:
PROPOSED PLANTINGS NOT SHOWN FOR CLARITY.
SEE LANDSCAPING PLANS.

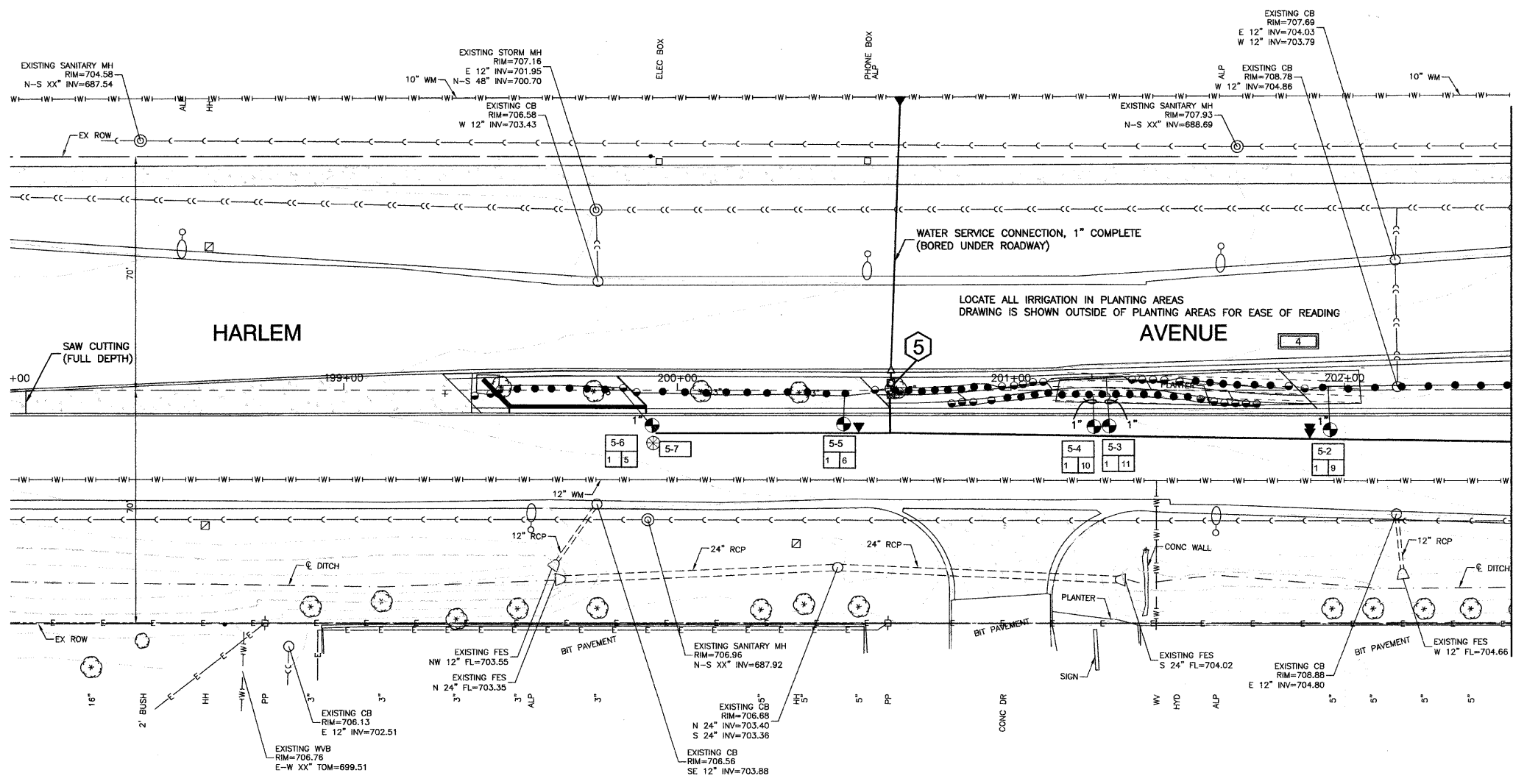
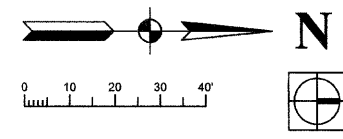
BENCH MARK:35
SQUARE CUT ON SW CONC BASE OF ALP, 3RD POLE N. OF
167TH STREET, EAST SIDE OF HARLEM AVENUE
ELEVATION=702.30

FILE NAME = 09463-PLAN-01 - IR20	USER NAME =	DESIGNED - SDG	REVISED -
		CHECKED - JSP	REVISED -
	PLOT SCALE =	DRAWN - PS	REVISED -
	PLOT DATE = 11-30-09	CHECKED - AG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HARLEM AVENUE BEAUTIFICATION - STREETSCAPING IRRIGATION PLAN		F.A.P. RTE. 348	SECTION 09-00108-00-LS	COUNTY COOK	TOTAL SHEETS 38	SHEET NO. 32
SCALE: 1"=20'	SHEET NO. 32 OF 38 SHEETS	STA.	TO STA.	CONTRACT NO. 63412		
		FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	ARA-00D1(809)	

SECTION 24, TOWNSHIP 36, RANGE 12
SECTION 19, TOWNSHIP 36, RANGE 13



LEGEND

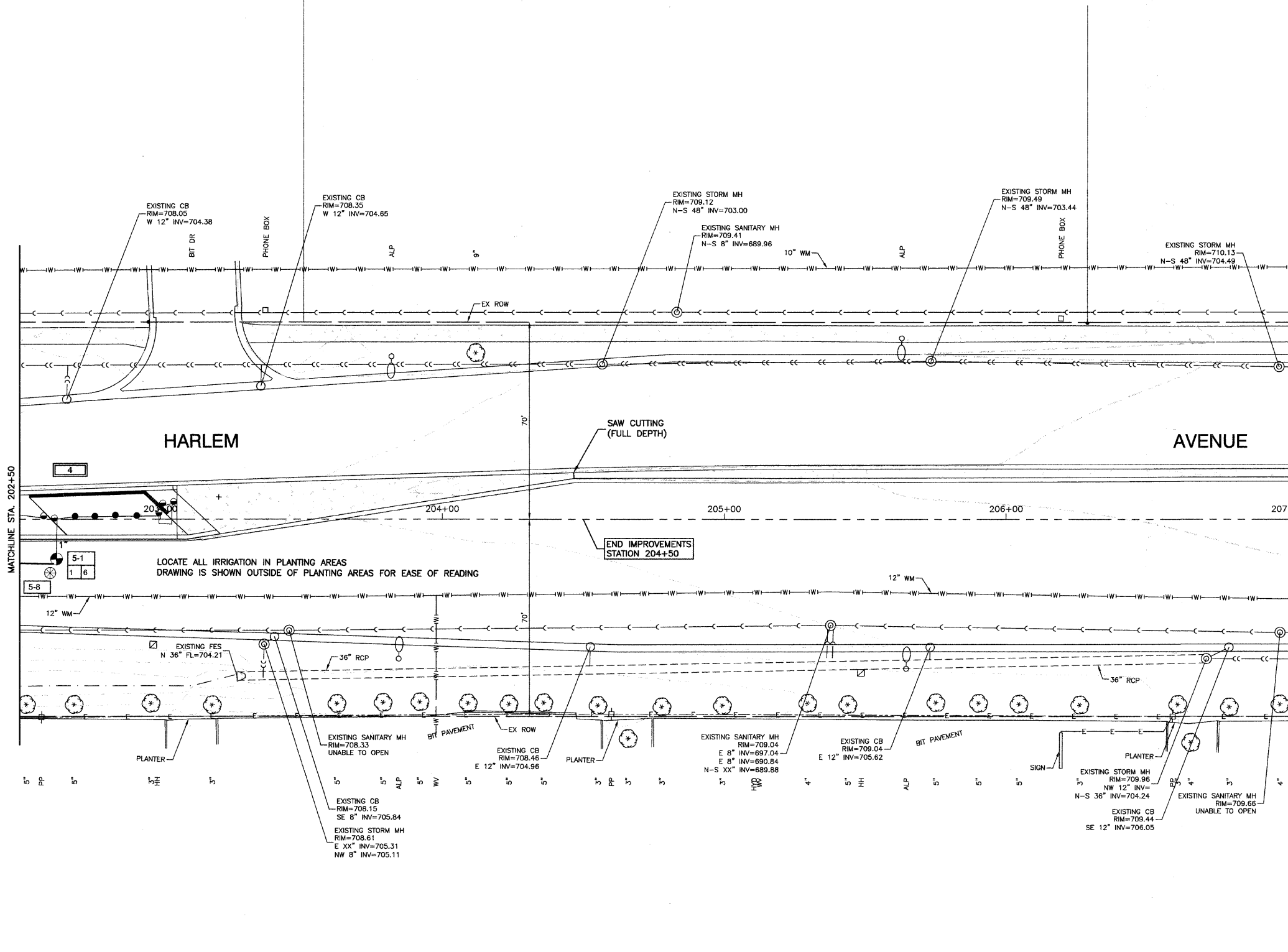
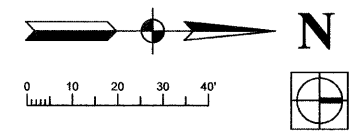
- 1 HUNTER XCH XC HYBRID CONTROLLER - BATTERY OPERATED OUTDOOR CONTROLLER WITH RAIN CLICK *OR ENGINEER APPROVED EQUAL. COORDINATE WITH ENGINEER FOR MOUNTING LOCATION. INSTALL AND GROUND TO MANUFACTURER'S RECOMMENDATIONS AND DETAILS. CONTROLLER IS TO BE LOCATED IN A KS-M2 ENCLOSURE BY BPOI *OR ENGINEER APPROVED EQUAL. COLOR TO BE DARK GREEN. INSTALL ENCLOSURE PER MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR TO VERIFY ENCLOSURE SIZE.
 - CL 160 PVC PIPE - MAINLINE, SEE PLAN FOR SIZES
 - 1" & 1.5" PE HD100 PIPE
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 - POINT OF CONNECTION - COORDINATE WITH ENGINEER & GENERAL CONTRACTOR IRRIGATION TAPS VARY. FOLLOW STATE AND LOCAL CODES FROM TAP THROUGH BACKFLOW PREVENTOR, METER AND SYSTEM.
- CONTROLLER NUMBER
STATION NUMBER
- 134
135 - ZONE GPM
VALVE SIZE
- 50 SYSTEM STATIC PRESSURE (NOTIFY OWNER IF PRESSURE IS LESS)
- CONTROLLER SIZING:
- 1 8 STATION
 - 2 4 STATION
 - 3 12 STATION
 - 4 12 STATION
 - 5 8 STATION
- PULSE WIRE COLOR CODE #16 GA. VALVE #
- | | | | | |
|--------|---|---|----|----|
| RED | 1 | 5 | 9 | 13 |
| YELLOW | 2 | 6 | 10 | 14 |
| ORANGE | 3 | 7 | 11 | 15 |
| BLUE | 4 | 8 | 12 | 16 |
- WHITE - COMMON #16 GA.

NOTES:
PROPOSED PLANTINGS NOT SHOWN FOR CLARITY.
SEE LANDSCAPING PLANS.

BENCH MARK:35
SQUARE CUT ON SW CONC BASE OF ALP, 3RD POLE N. OF
167TH STREET, EAST SIDE OF HARLEM AVENUE
ELEVATION=702.30

FILE NAME = 09493-PLAN-01 - IR22	USER NAME =	DESIGNED - SDG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HARLEM AVENUE BEAUTIFICATION - STREETSCAPING IRRIGATION PLAN		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
	PLOT SCALE =	CHECKED - JSP	REVISED -		348	09-00108-00-LS	COOK	38	33				
	PLOT DATE = 11-30-09	DRAWN - PS	REVISED -		SCALE: 1"=20'			SHEET NO. 33 OF 38 SHEETS		STA. TO STA.		CONTRACT NO. 63412	
		CHECKED - AG	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT ARA-00D1(809)						

SECTION 24, TOWNSHIP 36, RANGE 12
SECTION 19, TOWNSHIP 36, RANGE 13



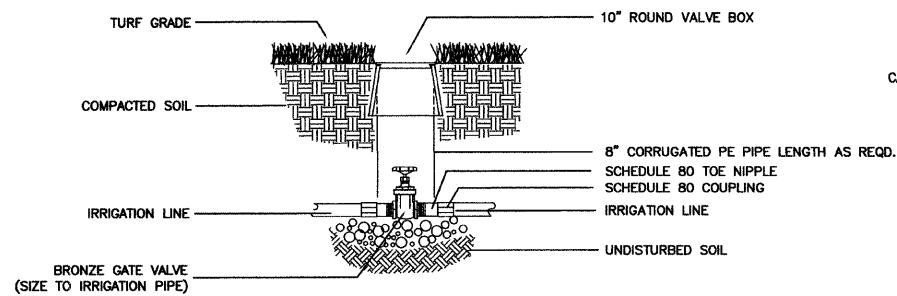
LEGEND

- 1 HUNTER XCH XC HYBRID CONTROLLER - BATTERY OPERATED OUTDOOR CONTROLLER WITH RAIN CLICK *OR ENGINEER APPROVED EQUAL. COORDINATE WITH ENGINEER FOR MOUNTING LOCATION. INSTALL AND GROUND TO MANUFACTURER'S RECOMMENDATIONS AND DETAILS. CONTROLLER IS TO BE LOCATED IN A KS-M2 ENCLOSURE BY BPOI *OR ENGINEER APPROVED EQUAL. COLOR TO BE DARK GREEN. INSTALL ENCLOSURE PER MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR TO VERIFY ENCLOSURE SIZE.
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 - 12" PRO SPRAY NOZZLES FULL CIRCLE *OR ENGINEER APPROVED EQUAL
 - NOZZLE RADIUS VARIES
 - HUNTER INSTITUTIONAL SPRAY WITH CHECK VALVE
 - 12" PRO SPRAY NOZZLES PART CIRCLE *OR ENGINEER APPROVED EQUAL
 - NOZZLE RADIUS VARIES
 - HUNTER HQ-44RC SERIES QUICK COUPLER
 - *OR ENGINEER APPROVED EQUAL
 - EXTRA WIRE DROP, LABEL AND LOCATE IN ADJACENT VALVE BOX.
 - ISOLATION GATE VALVE - SIZE TO PIPE
 - HUNTER PGV ELECTRIC VALVES *OR ENGINEER APPROVED EQUAL
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 - POINT OF CONNECTION - COORDINATE WITH ENGINEER & GENERAL CONTRACTOR IRRIGATION TAPS VARY. FOLLOW STATE AND LOCAL CODES FROM TAP THROUGH BACKFLOW PREVENTOR, METER AND SYSTEM.
-
- CONTROLLER NUMBER
STATION NUMBER
MEDIAN LOCATION
- 1-34
11-35
50
- SYSTEM STATIC PRESSURE
(NOTIFY OWNER IF PRESSURE IS LESS)
- CONTROLLER SIZING:
- 1 8 STATION
 - 2 4 STATION
 - 3 12 STATION
 - 4 12 STATION
 - 5 8 STATION
- PULSE WIRE COLOR CODE #16 GA.:
- | VALVE # | VALVE # |
|------------------------|------------------|
| RED 1 5 9 13 | YELLOW 2 6 10 14 |
| ORANGE 3 7 11 15 | BLUE 4 8 12 16 |
| WHITE - COMMON #16 GA. | |

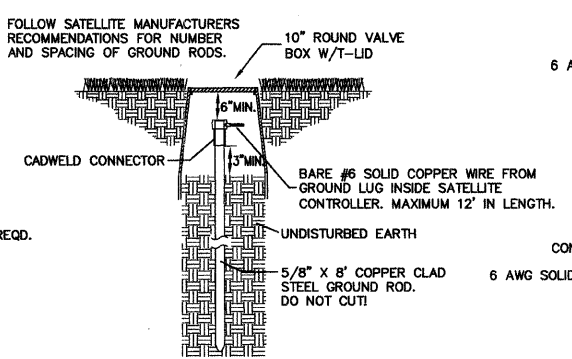
NOTES:
PROPOSED PLANTINGS NOT SHOWN FOR CLARITY.
SEE LANDSCAPING PLANS.

BENCH MARK:35
SQUARE CUT ON SW CONC BASE OF ALP, 3RD POLE N. OF
167TH STREET, EAST SIDE OF HARLEM AVENUE
ELEVATION=702.30

FILE NAME = 09493-PLAN-01 - I#23	USER NAME =	DESIGNED -- SDG	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HARLEM AVENUE BEAUTIFICATION - STREETSCAPING IRRIGATION PLAN	F.A.P. RTE. 348	SECTION 09-00108-00-LS	COUNTY COOK	TOTAL SHEETS 38	SHEET NO. 34	
	PLOT SCALE =	DRAWN -- PS	REVISED --		SCALE: 1"=20'	SHEET NO. 34 OF 38 SHEETS	STA.	TO STA.	CONTRACT NO. 63412		
	PLOT DATE = 11-30-09	CHECKED -- AG	REVISED --		FED. ROAD DIST. NO. 1 ILLINOIS			FED. AID PROJECT ARA-00D1(809)			

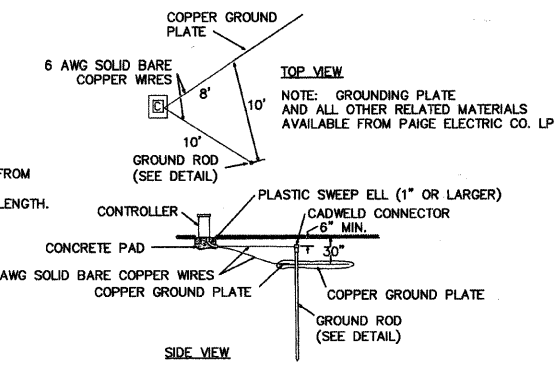


1 ISOLATION VALVE 3" and SMALLER NO SCALE

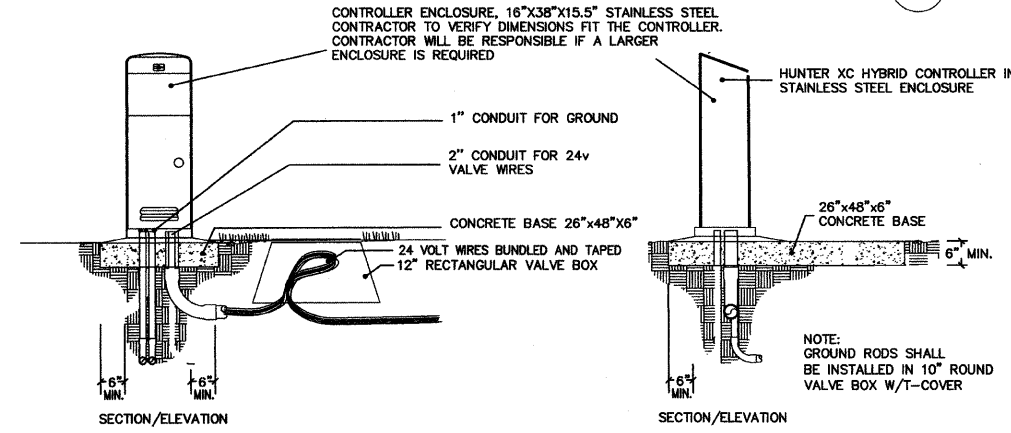


EARTH GROUNDING
 IT IS THE RESPONSIBILITY OF THE INSTALLER TO CONNECT ALL ELECTRONIC IRRIGATION EQUIPMENT FOR WHICH HE IS RESPONSIBLE TO EARTH GROUND. GROUNDING COMPONENTS WILL INCLUDE THE ITEMS DESCRIBED IN THE FOLLOWING PARAGRAPH, AT A MINIMUM.
 AT THE VERY MINIMUM, THE GROUNDING CIRCUIT WILL INCLUDE A COPPER CLAD STEEL GROUND ROD, A SOLID COPPER GROUND PLATE AND 100 POUNDS OF GEM EARTH CONTACT MATERIAL, AS DEFINED PER THE FOLLOWING DETAIL.

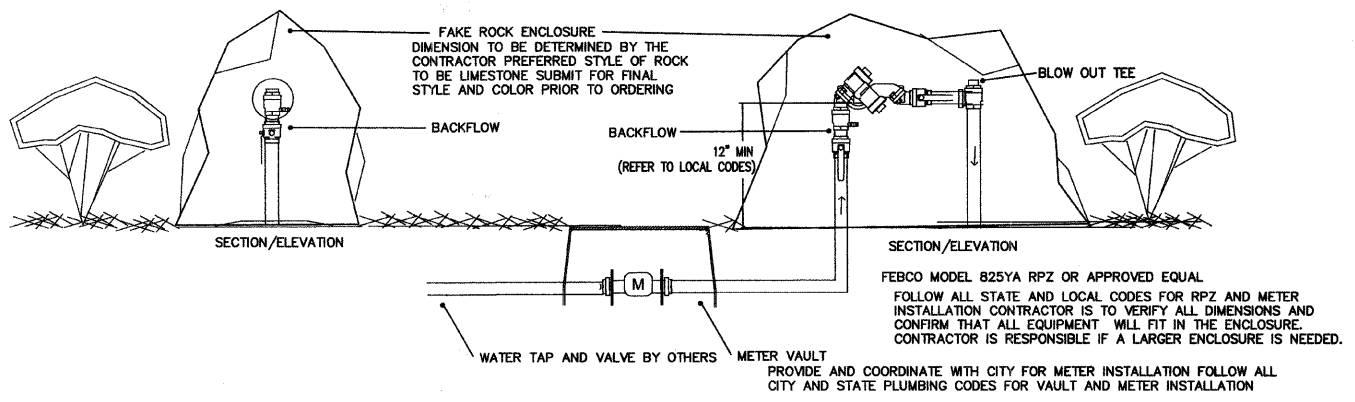
2 CONTROLLER GROUNDING NO SCALE



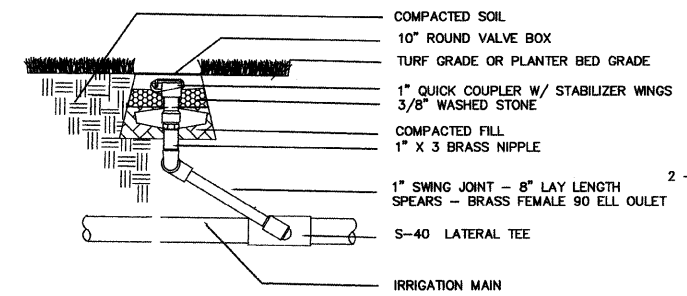
3 SPRAY HEAD AND SMALL ROTOR HEAD NO SCALE



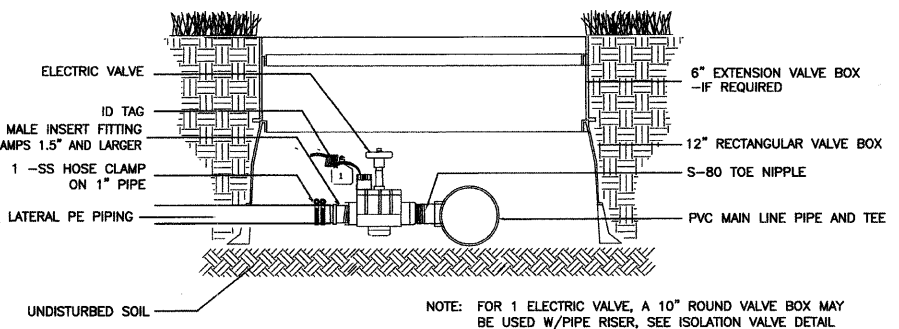
4 CONTROLLER MOUNT NO SCALE



5 BACKFLOW / METER ENCLOSURE NO SCALE

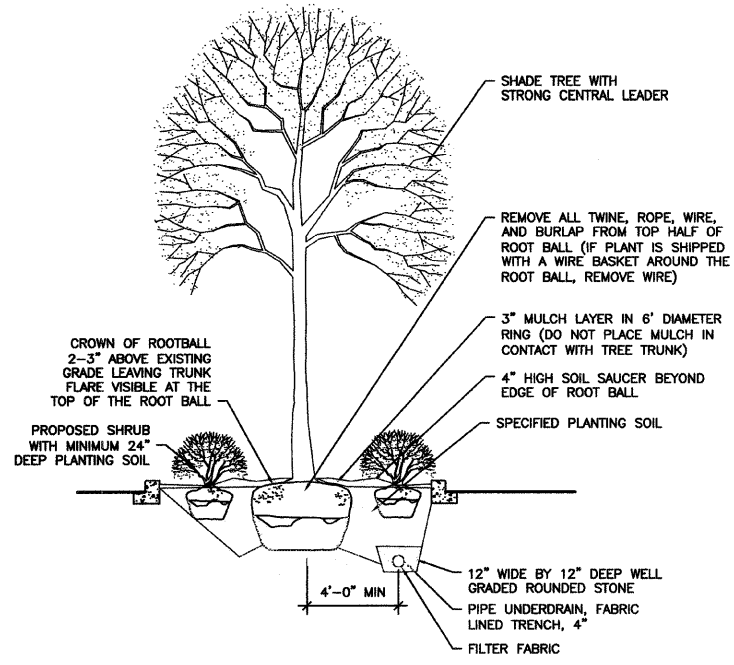


6 QUICK COUPLER NO SCALE

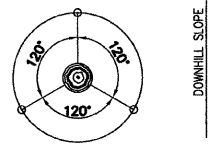


7 ELECTRIC VALVE - PE PIPE NO SCALE

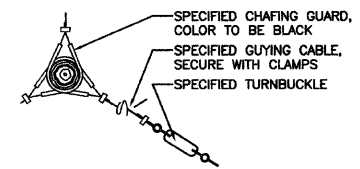
- GENERAL IRRIGATION NOTES**
- CONTACT ALL UTILITIES AND GENERAL CONTRACTOR AT LEAST 5 DAYS PRIOR TO THE START OF CONSTRUCTION.
 - MAINTAIN ALL CODES REQUIRED BY STATE AND LOCAL AUTHORITIES.
 - COORDINATE ELECTRICAL HOOKUP WITH GENERAL CONTRACTOR, ELECTRICIAN AND OWNER THE CONTROLLER WILL BE A STAND ALONE MOUNT WITH BATTERY OPERATION.
 - COORDINATE ALL SLEEVES AND PENETRATIONS WITH GENERAL CONTRACTOR IRRIGATION CONTRACTOR IS RESPONSIBLE FOR BORES, SLEEVES OR PENETRATIONS RELATED TO THE IRRIGATION.
 - IRRIGATION HEADS AND LINES ARE SCHEMATIC - MINOR FIELD ADJUSTMENTS MAY BE REQUIRED.
 - INSTALL ALL PIPING AND FITTINGS USING GLUE METHODS CONSISTANT WITH MANUFACTURER'S RECOMMENDATIONS.
 - MAINLINE PIPING SHALL BE INSTALLED AT MINIMUM OF 12" LATERAL LINES SHALL BE INSTALLED AT A MINIMUM DEPTH OF 12".
 - CAP OR PLUG ALL OPENINGS AS SOON AS LINES ARE INSTALLED TO PREVENT DEBRIS IN THE LINE.
 - THOROUGHLY FLUSH ALL LINES PRIOR TO THE OPERATION OF SPRINKLER HEADS.
 - INSTALL WIRES A MIN. OF 10" BELOW GRADE. -SPICES ARE NOT ALLOWED IN THE TRENCH. -PROVIDE A 24" EXPANSION LOOP AT EACH CHANGE IN DIRECTION. -5 FEET OF EXCESS DECODER WIRE IS TO BE AT EACH DECODER LOCATION FOR EASE OF ACCESS.
 - THE IRRIGATION SYSTEM SHALL BE TESTED AT OPERATING PRESSURE FOR A MINIMUM OF 4 HOURS. REPAIR ALL LEAKS AND RETEST AFTER CURING.
 - UPON COMPLETION OF TEST, COMPLETE ASSEMBLY OF ALL EQUIPMENT AND SPRINKLERS FOR PROPER DISTRIBUTION.
 - PROVIDE "AS BUILT" DRAWINGS SHOWING ALL COMPONENTS OF THE SYSTEM PRIOR TO FINAL PAYMENT. PROVIDE FINAL GPM OF ZONES, WIRE RUNS, HEADS, VALVES, PIPE SIZES ETC.
 - ALL GASKETED PRESSURE PIPE AND FITTINGS SHALL BE THRUST BLOCKED. NO CONCRETE PREFORMED BLOCKS WILL BE ALLOWED.
 - ALL EXISTING UTILITIES WHICH ARE NOT SHOWN ON THESE DOCUMENTS WHICH NEED TO BE REMOVED, RELOCATED AND/OR ADJUSTED SHALL BE THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR.
 - ALL BIDDERS SHALL VISIT AND REVIEW THE SITE AND FAMILIAR THEMSELVES WITH THE SITE PRIOR TO SUBMITTING A BID.
 - CONTRACTOR TO PROVIDE BLOW OUT TAP AFTER RPZ UNIT.
 - CONTRACTOR IS RESPONSIBLE FOR SUBMITTING AND ACQUIRING ALL PERMITS.
 - PRIOR TO INSTALLATION, FIELD TEST THE SYSTEM PRESSURE AT THE POINT OF CONNECTION THE SYSTEM IS BASED ON GPM AND PRESSURE FURNISHED BY OTHERS. CONTRACTOR IS RESPONSIBLE TO VERIFY PRESSURE IS AT LEAST 50 STATIC PSI AND NOTIFY OWNER IF PRESSURE IS LOWER.
 - DRAWING IS SCHEMATIC, FIELD ADJUSTMENTS MAY BE NEEDED. LOCATE ALL MAIN LINES AND LATERAL LINES IN TURF OR PLANTING AREAS. COMPONENTS ARE DRAWN OUTSIDE OF AREAS FOR EASE OF READING.
 - CONTRACTOR IS RESPONSIBLE FOR FINAL HEAD PLACEMENT AND NOZZLES SELECTION TO ENSURE THAT THE SPRINKLER SPRAY DOES NOT REACH THE STREET.



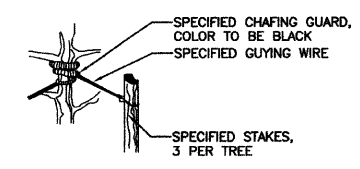
2 TREE PLANTING DETAIL
NOT TO SCALE



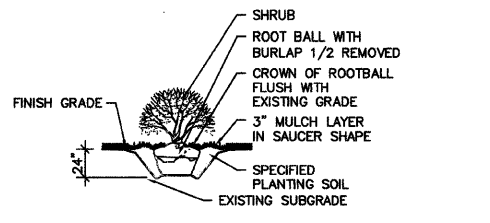
3 STAKING & GUYING PLAN
NOT TO SCALE



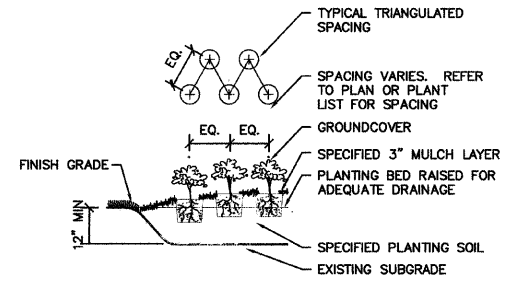
4 GUYING DETAIL
NOT TO SCALE



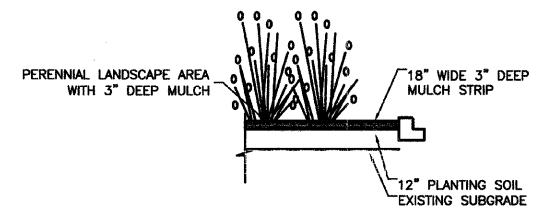
5 STAKING DETAIL
NOT TO SCALE



6 STANDARD SHRUB INSTALLATION
NOT TO SCALE

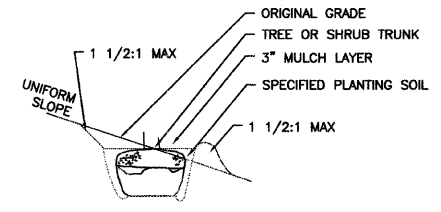


7 GROUND COVER/PERENNIAL INSTALLATION
NOT TO SCALE

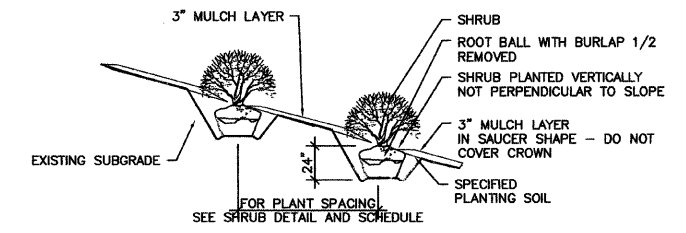


NOTES:
1. FOR PLANT MATERIAL SEE SHEET 2 PLANT SCHEDULE.
2. STEEL EDGE BASED ON "BORDER LINE" FOR OTHER ACCEPTABLE MANUFACTURERS - SEE SPECIFICATIONS

8 PLANTING BED EDGE DETAIL
NOT TO SCALE



9 TREE PLANTING ON SLOPE DETAIL
NOT TO SCALE



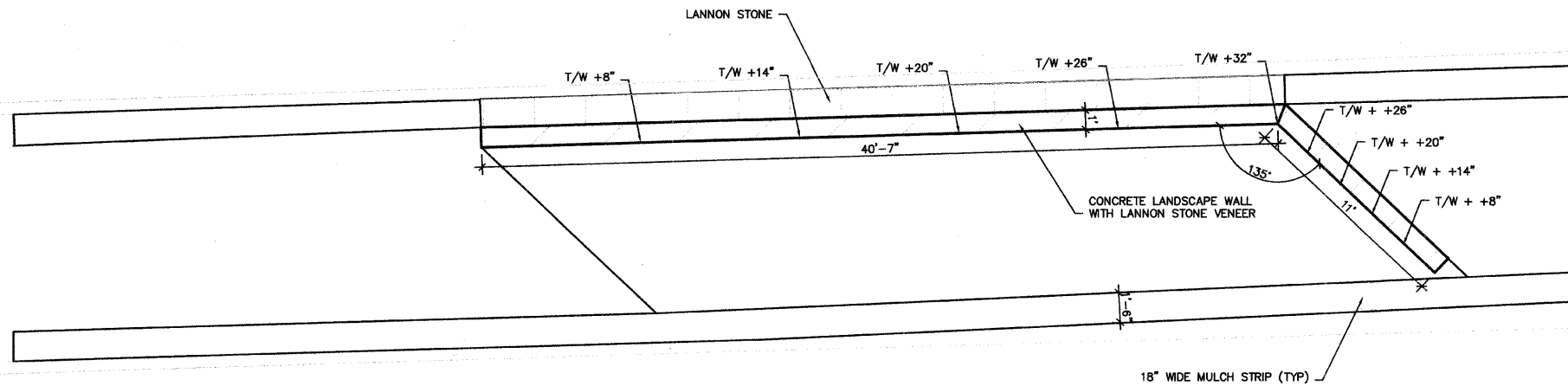
10 SHRUB/PERENNIAL ON SLOPE INSTALLATION DETAIL
NOT TO SCALE

- GENERAL PLANTING NOTES**
- CONTRACTOR SHALL VERIFY SITE CONDITIONS BEFORE PROCEEDING WITH WORK AND SHALL REPORT ANY CONFLICT TO ENGINEER.
 - EXACT LOCATIONS OF ALL UNDERGROUND UTILITIES SHALL BE DETERMINED AND VERIFIED IN THE FIELD BY CONTRACTOR. CONTRACTOR SHALL REPORT ANY CONFLICTS TO ENGINEER PRIOR TO BEGINNING WORK.
 - THE CONTRACTOR SHALL COORDINATE THIS WORK WITH OTHER TRADES AND MAINTAIN DRAINAGE DURING CONSTRUCTION.
 - CONTRACTOR SHALL KEEP ALL AREAS CLEAN, NEAT AND ORDERLY AT ALL TIMES.
 - CONTRACTOR SHALL PROTECT EXISTING VEGETATION OUTSIDE THE LIMITS OF GRADING. ALL EXISTING PARKWAY TREES AND EXISTING INTERIOR TREES SHALL BE PROTECTED WHILE PROJECT IS UNDER CONSTRUCTION AND SHALL BE REPLACED IF DAMAGED BY CONTRACTOR.
 - CONTRACTOR SHALL INFORM ENGINEER AS EACH PHASE OF WORK IS UNDERTAKEN.
 - SLOPE ALL PLANTING AREAS AWAY FROM BUILDING AT 2% MINIMUM GRADE.
 - FINISH GRADE SHALL BE 4" MINIMUM BELOW BUILDING FINISH FLOOR ELEVATION (ADJACENT TO BUILDING SLABS). ALL AREAS SHALL BE RECEIVED BY CONTRACTOR AT +/- 0.1 FOOT TO FINISH GRADE.
 - FINISH GRADE SHALL BE 1" BELOW FINISH PAVING SURFACE IN LAWN AREAS AND 2" IN PLANTING AREAS.
 - PLANT QUANTITIES SHOWN ON DRAWINGS ARE APPROXIMATE. CONTRACTOR SHALL PROVIDE PLANT MATERIALS SUFFICIENT TO COVER AREAS SHOWN ON PLANS AT THE SPACINGS INDICATED.
 - AT LEAST ONE PLANT OF EACH SPECIES DELIVERED TO THE SITE WILL HAVE AN IDENTIFICATION TAG FROM THE SUPPLYING NURSERY SHOWING COMMON AND BOTANICAL PLANT NAMES. ALL PLANTS SHALL BE PROTECTED AGAINST HEAT, SUN, WIND AND FROST DURING TRANSPORTATION TO THE SITE AND WHILE BEING HELD AT THE SITE. DO NOT STORE PLANTS IN TOTAL DARKNESS MORE THAN ONE DAY.
 - DO NOT DAMAGE PLANT ROOT BALL DURING TRANSPORTATION OR PLANTING.
 - CONTRACTOR SHALL NOTIFY THE ENGINEER AT THE TIME OF DELIVERY OF ANY PLANT MATERIAL THAT IS DAMAGED OR IN POOR CONDITION TO DETERMINE ACCEPTABILITY.
 - ALL TREES SHALL BE SINGLE TRUNK STANDARDS UNLESS OTHERWISE NOTED.
 - ALL ROCK AND DEBRIS 1" AND LARGER SHALL BE REMOVED FROM PLANTING AREAS AND THEN LEGALLY DISPOSED OF OFF SITE. ALL EXCESS MATERIALS RESULTING FROM CONTRACT WORK SHALL BE LEGALLY DISPOSED OF OFF SITE BY CONTRACTOR.
 - ENGINEER RESERVES THE RIGHT TO INSPECT ALL PLANT MATERIALS BEFORE PLANTING. MATERIAL MAY BE REJECTED AT ANY TIME DUE TO CONDITION, FORM OR DAMAGE BEFORE OR AFTER PLANTING. CONTRACTOR SHALL STAKE LOCATION OF ALL TREES, HEDGE LINES AND PLANTING BEDS AND HAVE LAYOUT APPROVED BY ENGINEER PRIOR TO PLANTING.
 - THE PLANTING PLANS ARE DIAGRAMMATIC. PLANT MATERIALS SHALL BE SPOTTED APPROXIMATELY AS SHOWN ON THE LANDSCAPE DRAWING AND ARE TO BE APPROVED BY THE ENGINEER BEFORE BEING REMOVED FROM CONTAINERS AND EXCAVATING SOIL FOR PLANTING.
 - INSTALL ALL PLANT MATERIAL IN ACCORDANCE WITH DETAILS. ALL FINISH GRADING AND PLANTING OPERATIONS SHALL BE CARRIED OUT IN ACCORDANCE WITH PROJECT SPECIFICATIONS.
 - ALL PLANT TYING MATERIAL AND MARKING TAPES SHALL BE REMOVED AT THE TIME OF PLANTING.
 - PROVIDE NEW TOPSOIL THAT IS FERTILE, FRIABLE AND NATURAL LOAM SURFACE SOIL, REASONABLY FREE OF SUBSOIL, CLAY, CLAY LUMPS, BRUSH, WEEDS, AND OTHER LITTER AND FREE OF ROOTS, STUMPS, STONES LARGER THAN 2" IN ANY DIMENSION AND OTHER EXTRANEIOUS OR TOXIC MATTER HARMFUL TO PLANT GROWTH. OBTAIN TOPSOIL FROM LOCAL SOURCES OR FROM AREAS HAVING SIMILAR SOIL CHARACTERISTICS TO THAT NECESSARY FOR VIGOROUS GROWTH OF SPECIFIED PLANTINGS. OBTAIN TOPSOIL THAT OCCURS IN A DEPTH OF NOT LESS THAN 6". DO NOT OBTAIN SOIL FROM BOGS OR MARSHES.
 - MIX SPECIFIED SOIL AMENDMENTS AND FERTILIZERS WITH TOPSOIL ON A SITE SPECIFIC BASIS AT RATES APPROPRIATE FOR AREA TREES AND SHRUBS IN ACCORDANCE WITH PROJECT SPECIFICATIONS.
 - CONTRACTOR SHALL INSTALL A MIN 3" LAYER OF HARDWOOD BARK MULCH (SEE SPECS.) AROUND ALL TREES AND IN ALL GROUND COVER / SHRUB AREAS. CREATE A NATURAL SPADED EDGE WHERE PLANTING BEDS MEET TURF AREAS.
 - WATER ALL PLANTS IMMEDIATELY AFTER PLANTING. FLOOD PLANTS TWICE DURING FIRST TWENTY-FOUR HOUR PERIOD OF PLANTING.
 - CONTRACTOR SHALL REPAIR TO ITS ORIGINAL CONDITION ANY AREA OR ITEM DAMAGED AS A RESULT OF THEIR WORK. ANY EXISTING LANDSCAPE INDICATED ON THE PLANS THAT IS DAMAGED OR REMOVED DURING DEMOLITION OR CONSTRUCTION SHALL BE REPAIRED AND/OR REPLACED IN KIND AND EQUIVALENT SIZE. CONTRACTOR SHALL REPAIR AND SOD IN KIND ALL TURF AREAS DAMAGED AS A RESULT OF PROJECT CONSTRUCTION.
 - CONTRACTOR TO GUY AND STAKE TREES, IF REQUIRED, AS DIRECTED BY A/E, IMMEDIATELY AFTER PLANTING. PROVIDE A MINIMUM OF TWO GUY WIRES PER TREE ON THE UPHILL SIDE OF TREES PLANTED ON SLOPES STEEPER THAN 3:1.
 - PROVIDE WIRE TIES AND GUYS OF 2-STRAND, TWISTED, PLIABLE GALVANIZED IRON WIRE, NOT LIGHTER THAN 12 GAGE WITH ZINC-COATED TURNBUCKLES. PROVIDED NOT LESS THAN 3/4" DIAMETER RUBBER OR PLASTIC HOSE, CUT TO REQUIRED LENGTHS AND OF UNIFORM COLOR, MATERIAL, AND SIZE TO PROTECT TREE TRUNKS FROM DAMAGE BY WIRES.
 - CONTRACTOR TO WARRANTY ALL TREES AND SHRUBS AGAINST DEATH AND DEFECTS INCLUDING UNSATISFACTORY GROWTH, EXCEPT FOR DEFECTS RESULTING FROM NEGLIGENCE BY OWNER, ABUSE OR DAMAGE BY OTHERS OR UNUSUAL PHENOMENON OR INCIDENTS WHICH ARE BEYOND THE CONTRACTOR'S CONTROL (SEE SPECS).
 - PROTECT SEEDING AREAS AND SLOPES AGAINST EROSION AND SEED LOSS DUE TO BIRDS AND OTHER WILDLIFE BY APPLYING SHORT TERM, BIODEGRADABLE EROSION CONTROL BLANKETS, MATS, AND/OR NETTING AFTER COMPLETION OF SEEDING OPERATIONS. ADHERE TO MANUFACTURER'S SPECIFICATIONS FOR REQUIRED PLACEMENT AND STAKING.
 - REMOVE AGGREGATE FILL TO AN ADEQUATE DEPTH TO ENSURE THAT NO PART OF THE PLANT MATERIAL IS IN CONTACT OR AFFECTED BY THE LIME IN THE AGGREGATE FILL AS APPROVED BY ENGINEER.

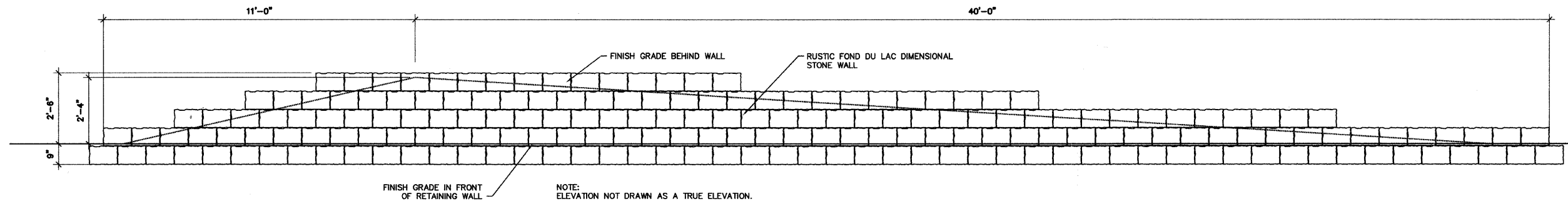
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	PLOT SCALE =	DRAWN -- SDG	REVISED --
	PLOT DATE = 11-30-09	CHECKED -- REL	REVISED --

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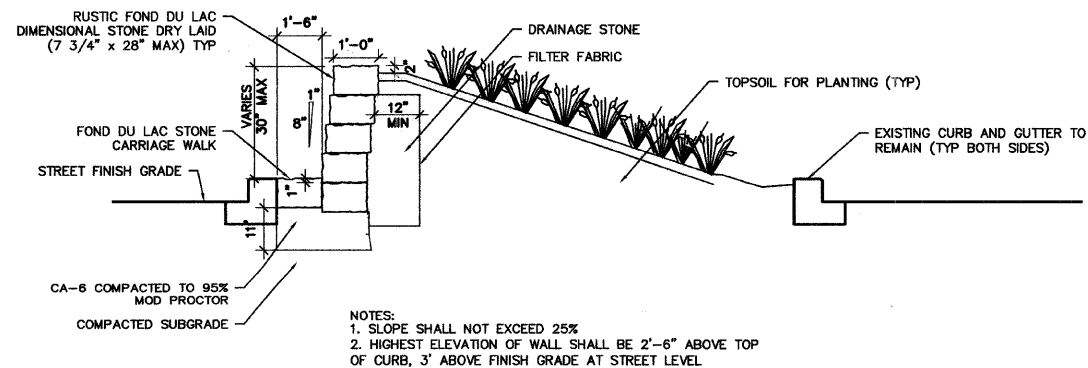
HARLEM AVENUE BEAUTIFICATION - STREETSCAPING CONSTRUCTION DETAILS		F.A.P. RTE. 348	SECTION 09-00108-00-LS	COUNTY COOK	TOTAL SHEETS 36	SHEET NO. 36
SCALE:	SHEET NO. 36 OF 36 SHEETS	STA.	TO STA.	CONTRACT NO. 63412		
				FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT ARA-00D1(809)



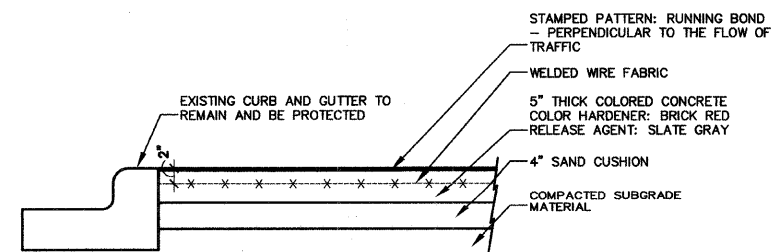
1 LANDSCAPE WALL ENLARGEMENT PLAN
1/2"=1'-0"



1 LANDSCAPE WALL ELEVATION
1/2"=1'-0"



1 LANDSCAPE WALL SECTION 1
1/2"=1'-0"



4 5" THICK COLORED STAMPED CONCRETE
1"=1'-0"

- NOTES:
- CONTROL JOINTS EVERY 5'-0" MAX
 - EXPANSION JOINTS EVERY 30'-0" MAX
 - DEMOLISH EXISTING CONCRETE TO FULL DEPTH AND REPLACE AS SHOWN ON PLANS.
 - MAINTAIN CONSISTENT PATTERN DIRECTION THROUGHOUT PROJECT LIMITS.

FILE NAME = 09493-07LS-01 - P03

USER NAME =	DESIGNED -- SDG	REVISED --
	CHECKED -- JSP	REVISED --
PLOT SCALE =	DRAWN -- SDG	REVISED --
PLOT DATE = 11-30-09	CHECKED -- REL	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HARLEM AVENUE BEAUTIFICATION - STREETSCAPING CONSTRUCTION DETAILS	
SCALE: AS SHOWN	TO STA.

F.A.P. RTE. 348	SECTION 09-00109-00-LS	COUNTY COOK	TOTAL SHEETS 38	SHEET NO. 38
CONTRACT NO. 63412				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ARA-00D1(809)				