

1-18-13 LETTING ITEM 114

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

F.A.U. RTE. 1453	SECTION 11-00043-00-LS	COUNTY DU PAGE	TOTAL SHEETS 20	SHEET NO. 1
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT TE-00D1 (872)	CONTRACT NO. 63663	

**PLANS FOR PROPOSED
FEDERAL AID PROJECT**

FAU 1453 (WEST 22ND STREET)
SPRING ROAD TO SALT CREEK
STREETSCAPE ENHANCEMENTS
SECTION NO: 11-00043-00-LS
PROJECT NO: TE-00D1 (872)
VILLAGE OF OAK BROOK
DUPAGE COUNTY
JOB NO: C-91-501-11

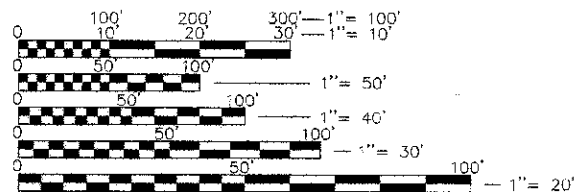


INDEX OF SHEETS

SHEET NO.	SHEET DESCRIPTION
1	COVER SHEET
2	SUMMARY OF QUANTITIES, GENERAL NOTES, AND HIGHWAY STANDARDS
3	EXISTING CONDITIONS
4	TYPICAL SECTIONS
5-8	LAYOUT AND MATERIALS PLAN
7-8	LANDSCAPE PLAN
9	LANDSCAPE DETAILS AND NOTES
10-11	ELECTRICAL PLAN
12	ELECTRICAL DETAILS AND NOTES
13-14	IRRIGATION PLAN
15	IRRIGATION LEGEND AND NOTES
16	IRRIGATION DETAILS
17-20	CONSTRUCTION DETAILS HIGHWAY STANDARDS

TRAFFIC DATA

ADT = 29,700 VPD (2011)
POSTED SPEED LIMIT = 40 MPH
FUNCTIONAL CLASSIFICATION = MINOR ARTERIAL

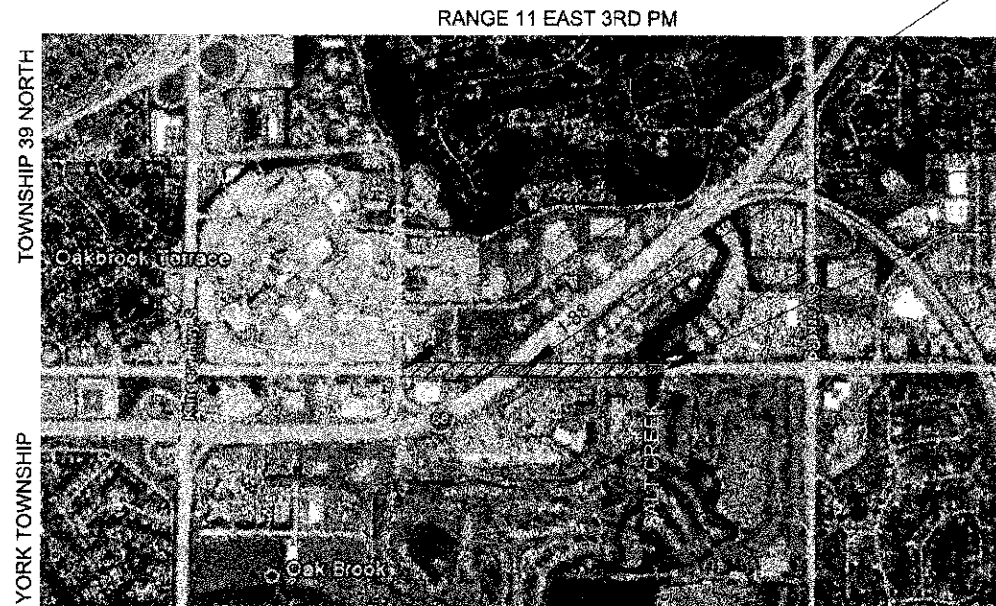
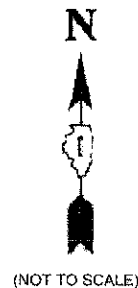


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

Call Before You Dig

TULIE

CONTACT JULIE 48 HOURS (2 WORKING DAYS) BEFORE YOU DIG AT 811 OR 800-892-0123 WITH THE FOLLOWING:
COUNTY: DU PAGE
VILLAGE: OAK BROOK
TOWNSHIP: YORK



LOCATION MAP
SCALE: 1" = 500'
GROSS LENGTH OF IMPROVEMENT: 3,095 FT (0.586 MILES)
NET LENGTH OF IMPROVEMENT: 3,095 FT (0.586 MILES)

PROJECT BEGINS
STA 2106+83.00

EXISTING STRUCTURE NOS. 022-9801
022-9941
022-9942

EXISTING STRUCTURE NO. 022-0084

PROJECT ENDS
STA 2137+78.00

John F. Mayer, P.E.
IL. P.E. NO. 062-047345
Expires November 30, 2013

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED 12/16 20 11
[Signature]
VILLAGE REPRESENTATIVE

PASSED JANUARY 5 20 12
[Signature]
DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID
BASED ON LIMITED
REVIEW JANUARY 6 20 12
[Signature]
DEPUTY DIRECTOR OF HIGHWAYS, REGION ONE ENGINEER

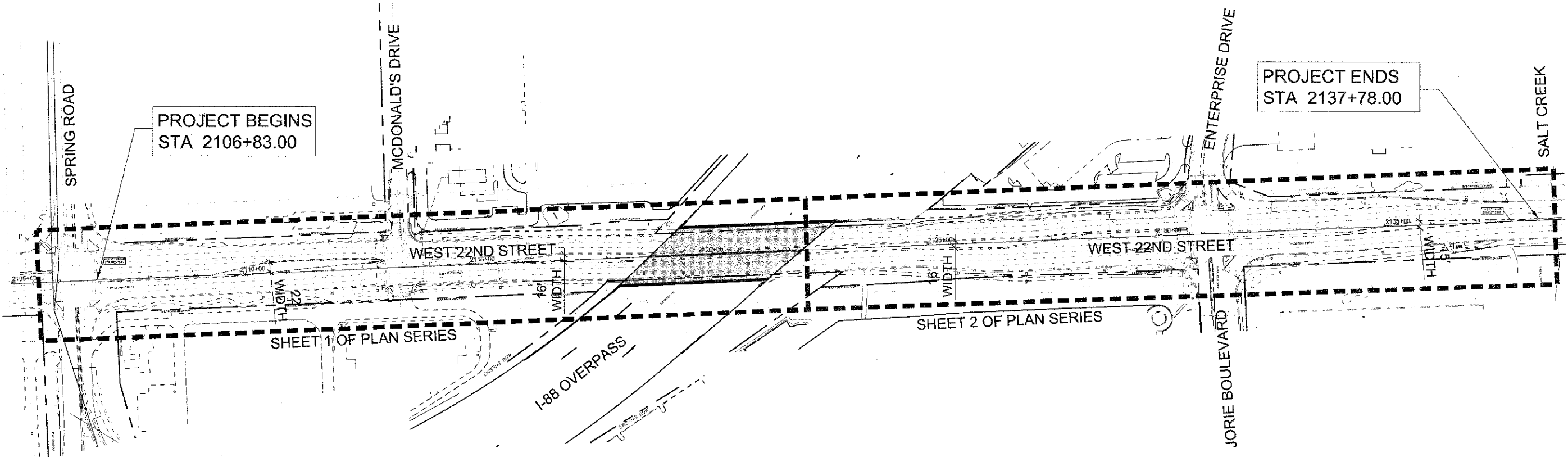
PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

PROGRAM AND OFFICE ENGINEER: CHARLES F. RIDDLE, P.E. 847-705-4406 SCHAUMBURG, IL

CONTRACT NO. 63663

HDG PROJECT NO: 03-0745-008-01-06 DATE: 12-19-11

J:\PROJECTS\TOPS\TOPS\1745-VI-LANE-DR-OAK-BROOK\008-22ND-STREET-ITLIP-EMPAVEMENTS\1-GRAP-405\05-00-03\03-EXISTING-CONDITIONS.DWG 3
 Plotted: 1/4/2012 10:02 AM By: TRNG
 Copyright © 2012, by Hitchcock Design Group




HITCHCOCK DESIGN GROUP
 creating better places

DESIGNED - MEU	REVISED - 01-03-12
DRAWN - B.L.G.	REVISED -
CHECKED - T.C.K.	REVISED -
DATE - 12-19-11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

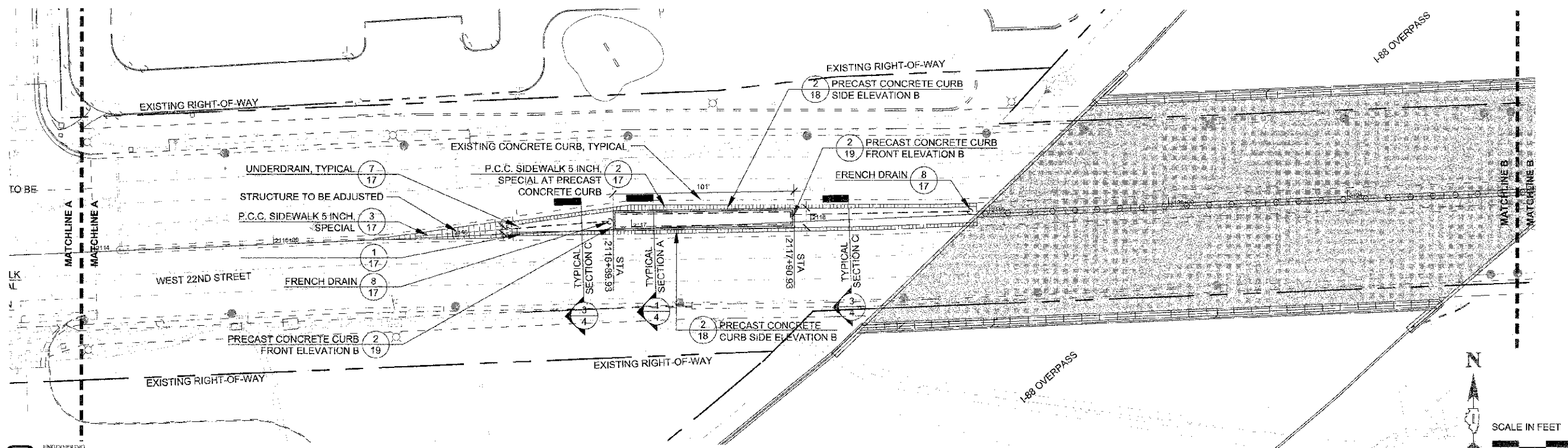
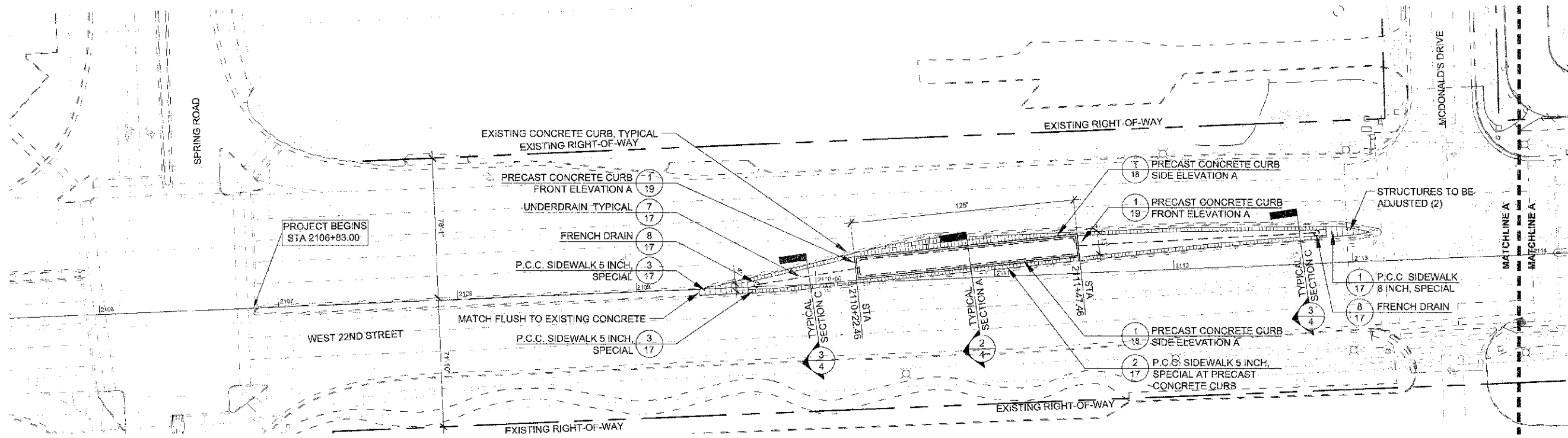
SCALE: 1" = 150'

EXISTING CONDITIONS

PROJECT - 03-0745-008 STA. 2106+83.00 TO STA. 2137+78.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1453	11-00043-00-LS	DUPAGE	20	3
CONTRACT 63663				
FED. ROAD DIST. NO. 1 ; ILLINOIS FED. AID PROJECT TE-0001(077)				

PROJECT: 11-0043-00-LS-VILLAGE OF GMA, BROOKDALE-22ND STREET 15' ENWIDENMENT, GRP, 105, 05-D, CE, 05-05-LAYOUT AND MATERIALS.DWG 3
 PLOT: 7/1/2012 10:27 AM BY: T.K.N.C.
 C:\projects\11-0043-00-LS-Village of GMA, Brookdale-22nd Street 15' Enwidement, Grp, 105, 05-D, CE, 05-05-LAYOUT AND MATERIALS.DWG 3



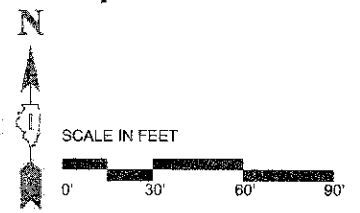
DESIGNED - MEU	REVISION - 01-03-12
DRAWN - BLG	REVISION -
CHECKED - TCK	REVISION -
DATE - 12-19-11	REVISION -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

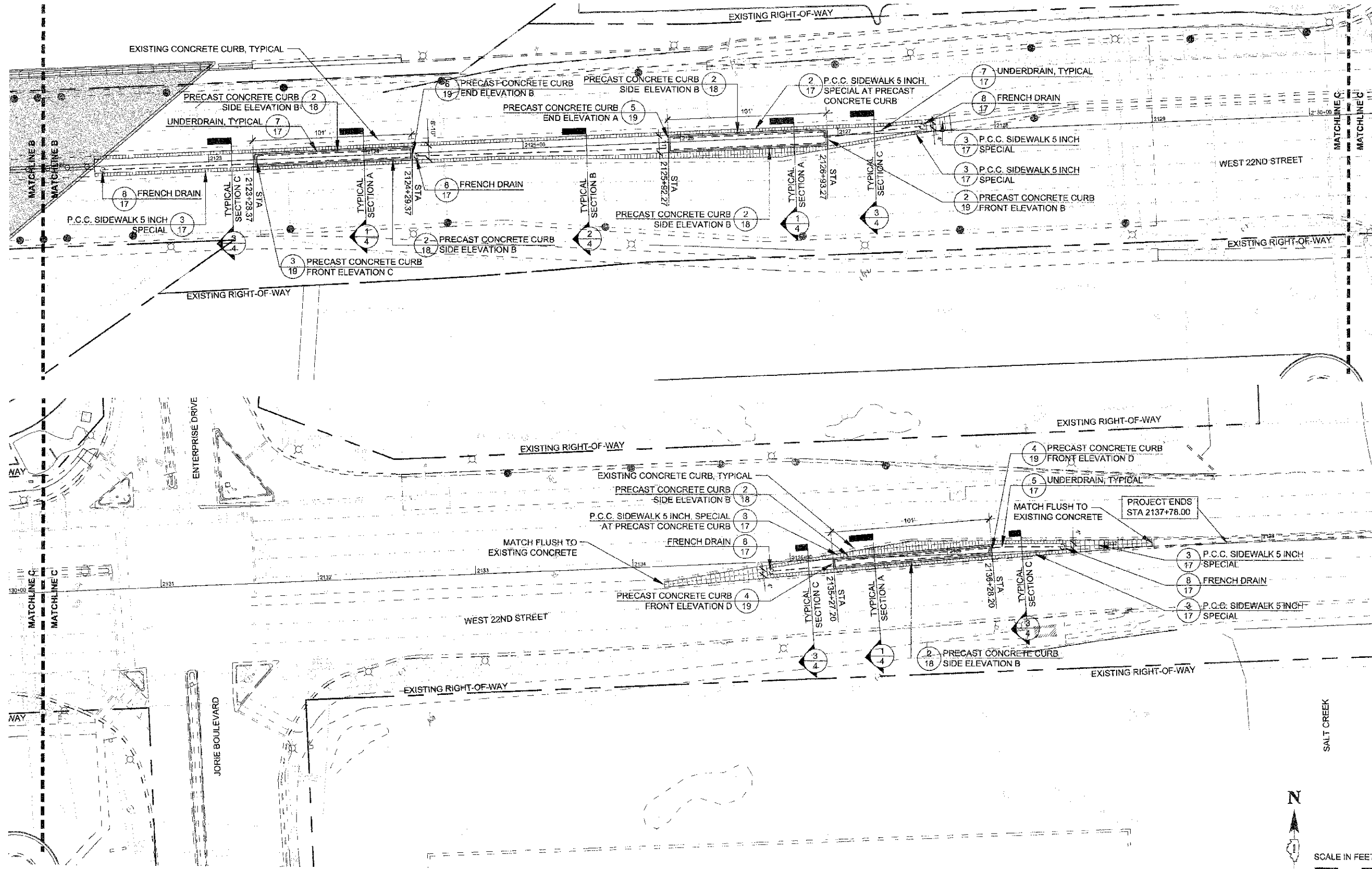
LAYOUT AND MATERIALS PLAN

SCALE: 1" = 30'
 PROJECT - C3-0746-008 STA. 2106-83.00 TO STA. 2122+83.00

F.A.U. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1483	11-0043-00-LS	DUPAGE	20	5
CONTRACT 63663				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT FE-001 (8/2)				



J:\PROJECTS\750\S\3745-ILLINOIS\6- OAK BROOK\008 - 22ND STREET IMPROVEMENTS\14- CHARTINGS\05-D2-011-D5-06-LAYOUT AND MATERIALS DWG 6
 Plotted: 12/19/2011 4:07 PM By: TKM
 Copyright © 2011, by Hitchcock Design Group



DESIGNED - MEU	REVISED -
DRAWN - BLG	REVISED -
CHECKED - TCK	REVISED -
DATE - 12-19-11	REVISED -

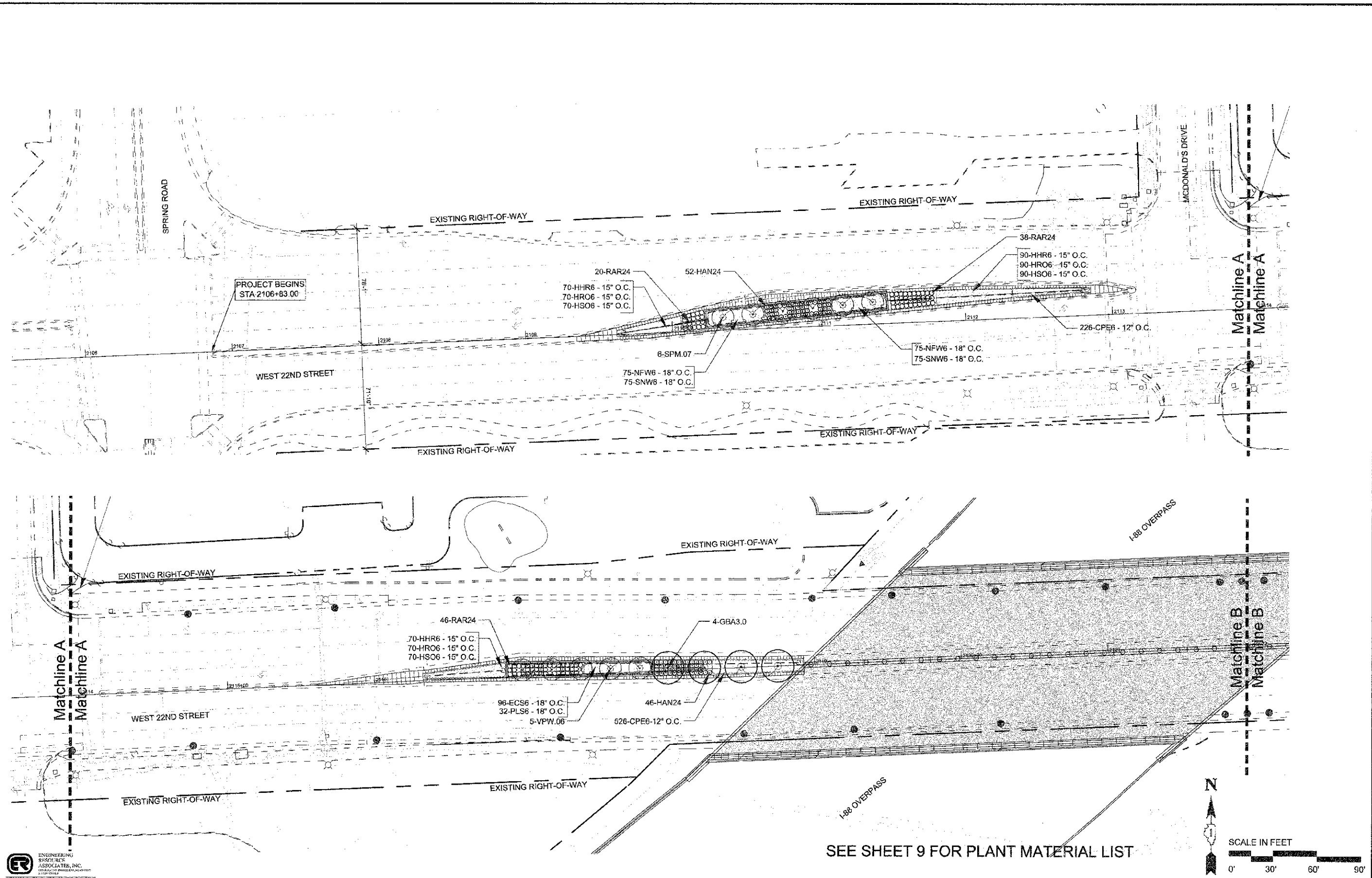
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

LAYOUT AND MATERIALS PLAN

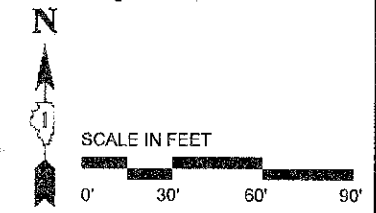
SCALE: 1" = 30' PROJECT - 03-0745-008 STA. 2122+63.00 TO STA. 2138+83.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1453	11-03043-00-LS	DUPAGE	20	6
CONTRACT 53663				
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT TE-001(872)		

J:\PROJECTS\700\S\7045-VILLAGE OF OAK BROOK\008-22ND STREET - 75' ENHANCEMENT\11-15\GRAPHICS\05-09-09\07-08-LANDSCAPE.DWG 7
 PLOT DATE: 12/19/2011 4:35 PM BY: TCK
 Copyright © 2011, by Hitchcock Design Group



SEE SHEET 9 FOR PLANT MATERIAL LIST



DESIGNED - MEU	REVISED -
DRAWN - BLG	REVISED -
CHECKED - TCK	REVISED -
DATE - 12-19-11	REVISED -

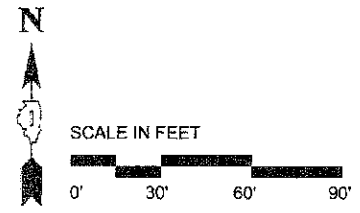
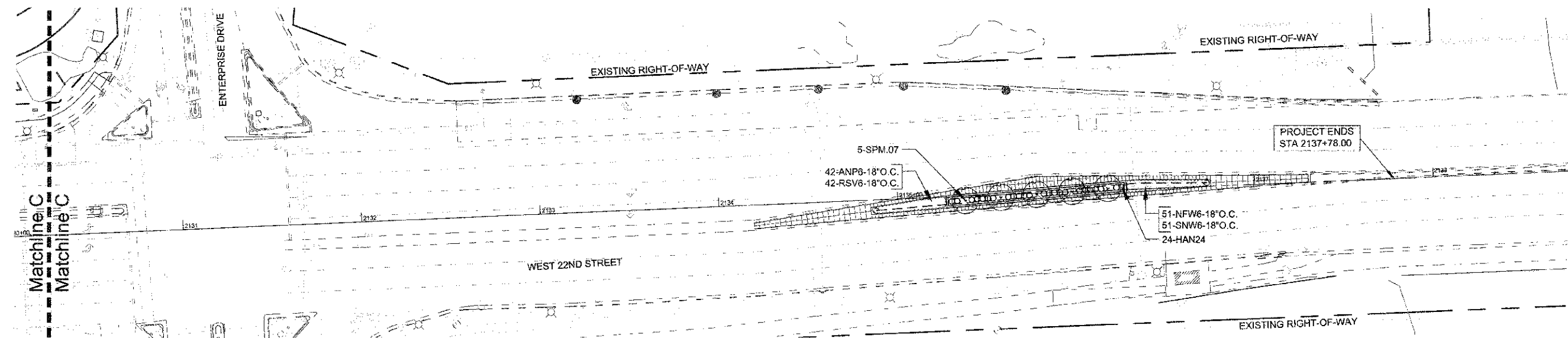
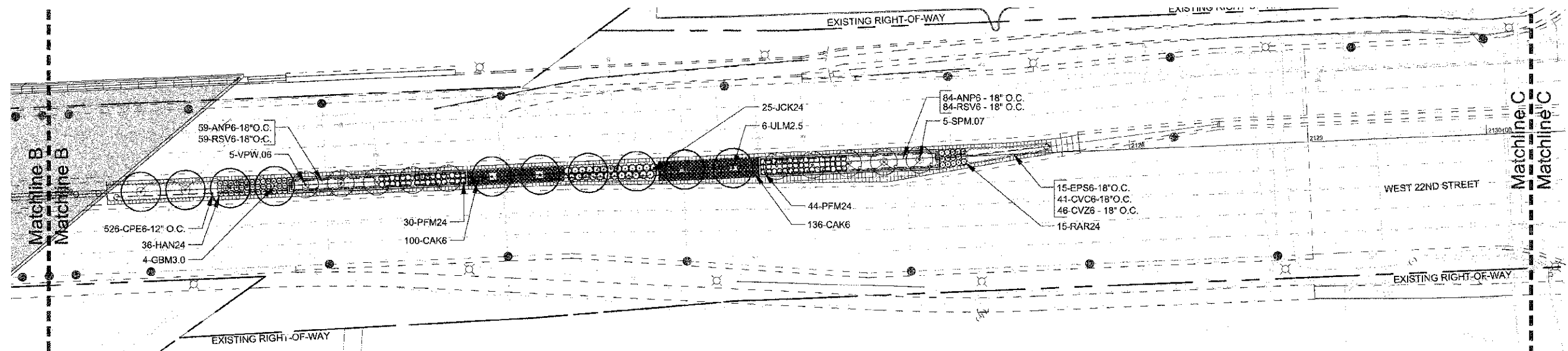
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPE PLAN

SCALE: 1" = 30' PROJECT - 03-0745-008 STA. 2105+83.00 TO STA. 2122+63.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1453	11-00043-00-LS	DUPAGE	20	7
CONTRACT 63863				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT 1E-2001 (R72)				

J:\PROJECTS\700\S\0745-VILLAGE OF OAK BROOK\036-22ND STREET SEP ENHANCEMENT\5\ GRAPHICS\06-DR-CONV-06-LANDSCAP.DWG 8
 Plotted: 12/15/2011 4:57 PM By: TMS
 Copyright: © 2011, By: Hittcock Design Group



SEE SHEET 9 FOR PLANT MATERIAL LIST



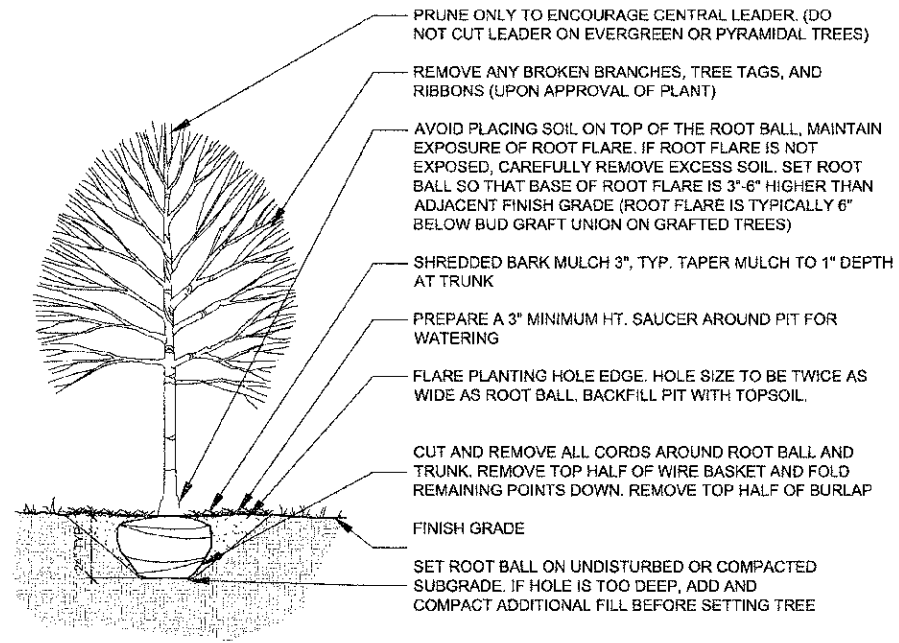
DESIGNED - MIEU	REVISED -
DRAWN - BLG	REVISED -
CHECKED - TCK	REVISED -
DATE - 12-19-11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

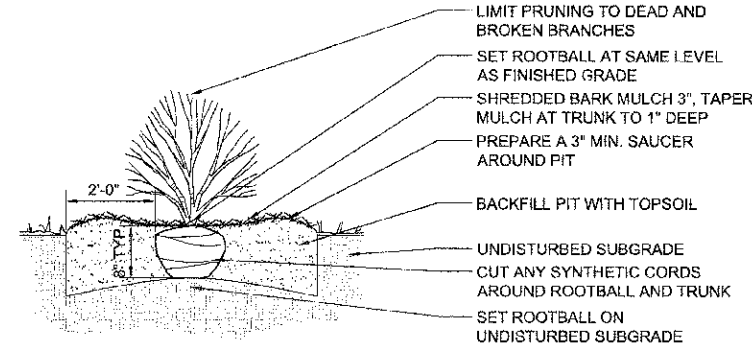
LANDSCAPE PLAN

SCALE: 1" = 30'	PROJECT - 03-0749-008 STA. 2122+83.00 TO STA. 2138+83.00	FAU. RTE. 1463	SECTION 11-00043-00-LS	COUNTY DUPAGE	TOTAL SHEETS 20	SHEET NO. 8
		CONTRACT 63663		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT TE-001 (872)		

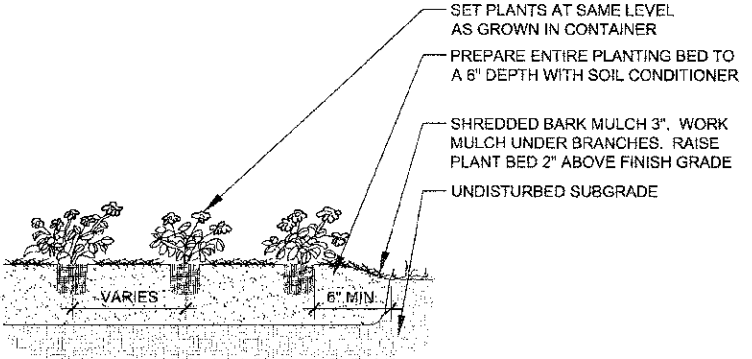
J:\PROJECTS\700'S\0745-MILLAGE OF OAK BROOK\008-2796 STREET REP ENHANCEMENT\5\4-CORRIDOR\05-HD-CV\01-LANDSCAPE DETAILS AND NOTES.DWG 9
 P:\dtd\12/15/2011 4:24 PM.dwg
 Copyright © 2011, by Hitchcock Design Group



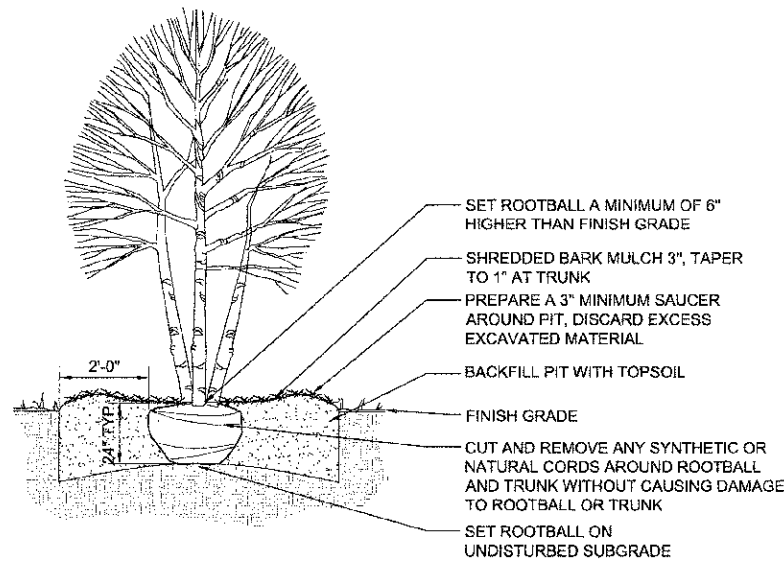
1 DECIDUOUS TREE PLANTING
SCALE: 1/2" = 1'-0"



3 SHRUB PLANTING
SCALE: 1/2" = 1'-0"



4 PERENNIAL PLANTING
SCALE: 1/2" = 1'-0"



2 ORNAMENTAL TREE PLANTING
SCALE: 1/2" = 1'-0"

PLANT MATERIALS LIST

CODE	BOTANICAL NAME	COMMON NAME	SIZE	QTY
SHADE TREES				
GBA3.0	GINKGO BILOBA 'AUTUMN GOLD'	AUTUMN GOLD GINKGO	3" C	4
GBM3.0	GINKGO BILOBA 'MAGYAR'	MAGYAR UPRIGHT GINKGO	3" C	4
ULM2.5	ULMUS JAPONICA X WILSONIANA 'MORTON'	ACCOLADE™ ELM	2 1/2" C	6
INTERMEDIATE TREES				
SPM.07	SYRINGA PEKINENSIS 'MORTON'	CHINA SNOW PEKING LILAC	7' HT	16
DECIDUOUS SHRUBS				
HAN24	HYDRANGEA ARBOR 'ANNABELLE'	ANNABELLE SMOOTH HYDRANGEA	24" HT	158
PFM24	POTENTILLA FRUTICOSA 'MCKAY'S WHITE'	MCKAY'S WHITE BUSH CINQUEFOIL	24" HT	74
RAR24	ROSA 'AMBER ROSE'	AMBER ROSE FLOWER CARPET ROSE	24" HT	119
VPW.06	VIBURNUM PRUNIFOLIUM 'WILSON'	WILSON BLACKHAW VIBURNUM	6" HT	10
EVERGREEN SHRUBS				
JCK24	JUNIPERUS CHINENSIS 'KALLAY COMPACT'	KALLAY COMPACT CHINESE JUNIPER	24" HT	25
PERENNIALS				
ANP6	ASTER NOVAE ANGLIAE 'PURPLE DOME'	PURPLE DOME NEW ENGLAND ASTER	1 GAL	185
CAK6	CALAMAGROSIS X ACUTIFLORA 'KARL FOERSTER'	KARL FOERSTER FEATHER REED GRASS	1 GAL	236
CPE6	CAREX PENNSYLVANICA "	OAK SEDGE	1 GAL	1278
CV6	COREOPSIS VERTICILLATA 'CREME BRULEE'	CREME BRULEE THREADLEAF COREOPSIS	1 GAL	41
CV26	COREOPSIS VERTICILLATA 'ZAGREB'	ZAGREB THREADLEAF COREOPSIS	1 GAL	46
EPS6	ECHINACEA PARADOX	YELLOW CONEFLOWER	1 GAL	15
ECS6	ECHINACEA 'HARVEST MOON'	HARVEST MOON CONEFLOWER	1 GAL	96
HHR6	HEMEROCALLIS 'HAPPY RETURNS'	HAPPY RETURNS DAYLILY	1 GAL	230
HRO6	HEMEROCALLIS 'ROSEY RETURNS'	ROSEY RETURNS DAYLILY	1 GAL	230
HSO6	HEMEROCALLIS 'STELLA DE ORO'	STELLA DE ORO DWARF DAYLILY	1 GAL	230
NFW6	NEPETA X FAASGENII 'WALKER'S LOW'	WALKER'S LOW CATMINT	1 GAL	201
PLS6	PEROVSKIA ATRIPLICIFOLIA 'LITTLE SPIRE'	LITTLE SPIRE RUSSIAN SAGE	1 GAL	32
RSV6	RUDBECKIA SPECIOSA 'VIETTE'S LITTLE SUZY'	VIETTE'S LITTLE SUZY BLACK-EYED SUSAN	1 GAL	185
SNW6	SALVIA NEMOROSA 'WESLUWE'	WESLUWE SALVIA	1 GAL	201
TOTAL PERENNIALS:				3206

ALL PERENNIALS TO BE PAID FOR AS PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT (1 UNIT = 100 PLANTS)

PLANTING NOTES

- SOD TO LIMITS OF DISTURBANCE FOR RESTORATION ONLY. CONTRACTOR IS RESPONSIBLE FOR RESTORATION OF ANY UNAUTHORIZED DISRUPTION OUTSIDE OF DESIGNATED CONSTRUCTION AREA.
- CONTRACTOR IS RESPONSIBLE FOR EROSION CONTROL IN ALL DISTURBED AREAS. ALL DISTURBED AREAS ARE TO BE PROTECTED WITHIN 24 HOURS. DO NOT DISTURB MORE AREA THAN CAN BE COMPLETED AND PROTECTED WITHIN 24 HOURS.
- PLANTS AND OTHER MATERIALS ARE QUANTIFIED AND SUMMARIZED FOR THE CONVENIENCE OF THE DEPARTMENT AND LOCAL AGENCY. CONFIRM AND INSTALL SUFFICIENT QUANTITIES TO COMPLETE THE WORK AS DRAWN AND SPECIFIED.
- REFER TO THE SPECIAL PROVISIONS FOR ADDITIONAL CONDITIONS, STANDARDS AND NOTES.



DESIGNED - MEU	REVISED -
DRAWN - BLG	REVISED -
CHECKED - TCK	REVISED -
DATE - 12-19-11	REVISED -






STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

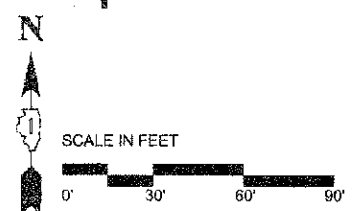
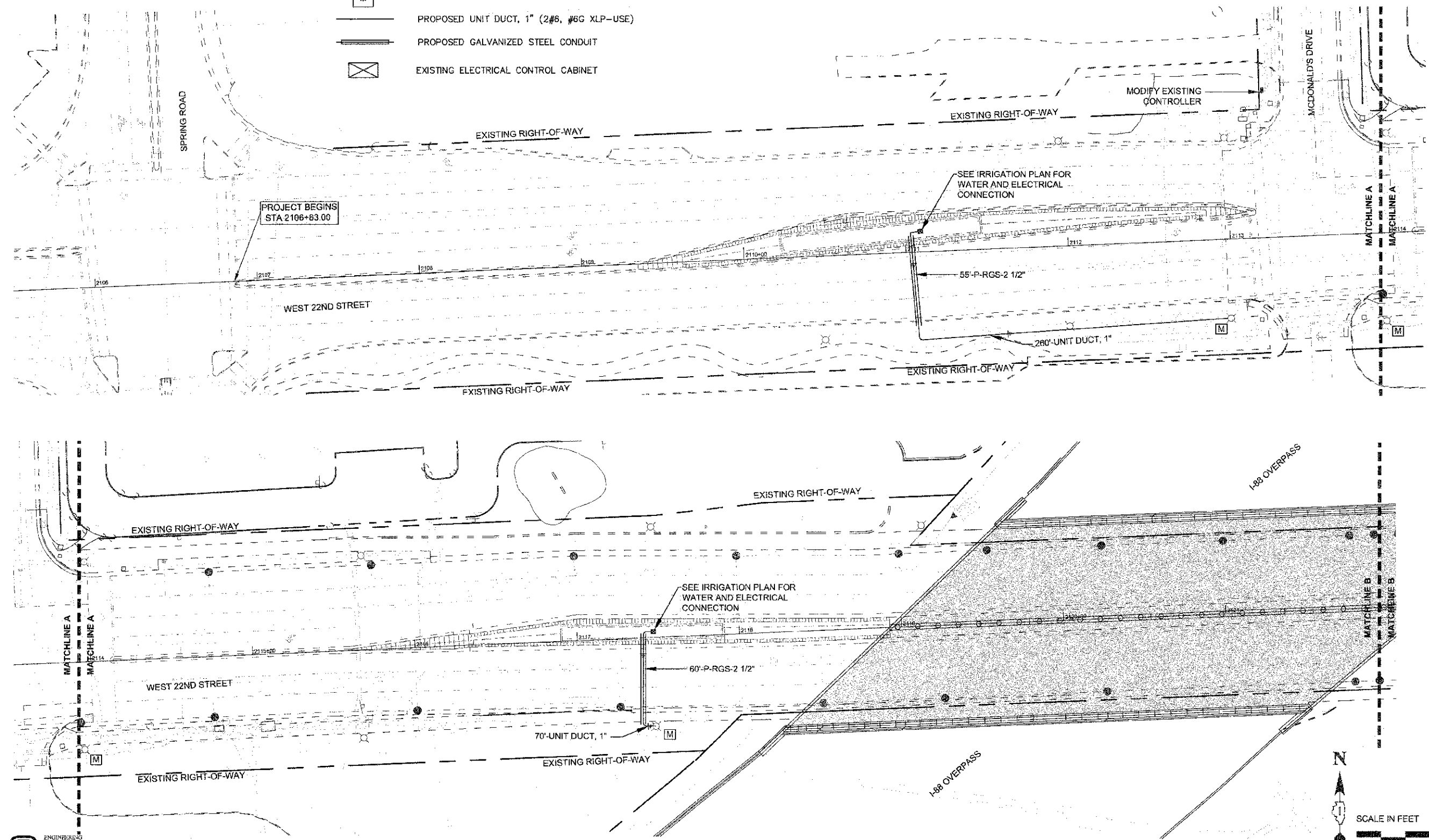
LANDSCAPE DETAILS

SCALE: AS SHOWN

PROJECT - 03-0745-008

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1453	11-00043-00-LS	DUPAGE	20	9
CONTRACT 63663				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT TE-001 (872)				

- LEGEND**
-  EXISTING LIGHT FIXTURE
 -  MODIFY EXISTING STREET LIGHT CIRCUIT
 -  PROPOSED UNIT DUCT, 1" (2#8, #6G XLP-USE)
 -  PROPOSED GALVANIZED STEEL CONDUIT
 -  EXISTING ELECTRICAL CONTROL CABINET



J:\PROJECTS\7975\7975-0745-VILLAGE OF OAK BROOK\008-22ND STREET TEP ENHANCEMENT\SW GRAPHICS\05-00-00\1011-ELECTRICAL-DWG 10
 Plotted: 12/19/2011 11:40 AM By: T430C
 Copyright © 2011, by Hitchcock Design Group



DESIGNED - MEU	REVISED -
DRAWN - BLG	REVISED -
CHECKED - TCK	REVISED -
DATE - 12-19-11	REVISED -

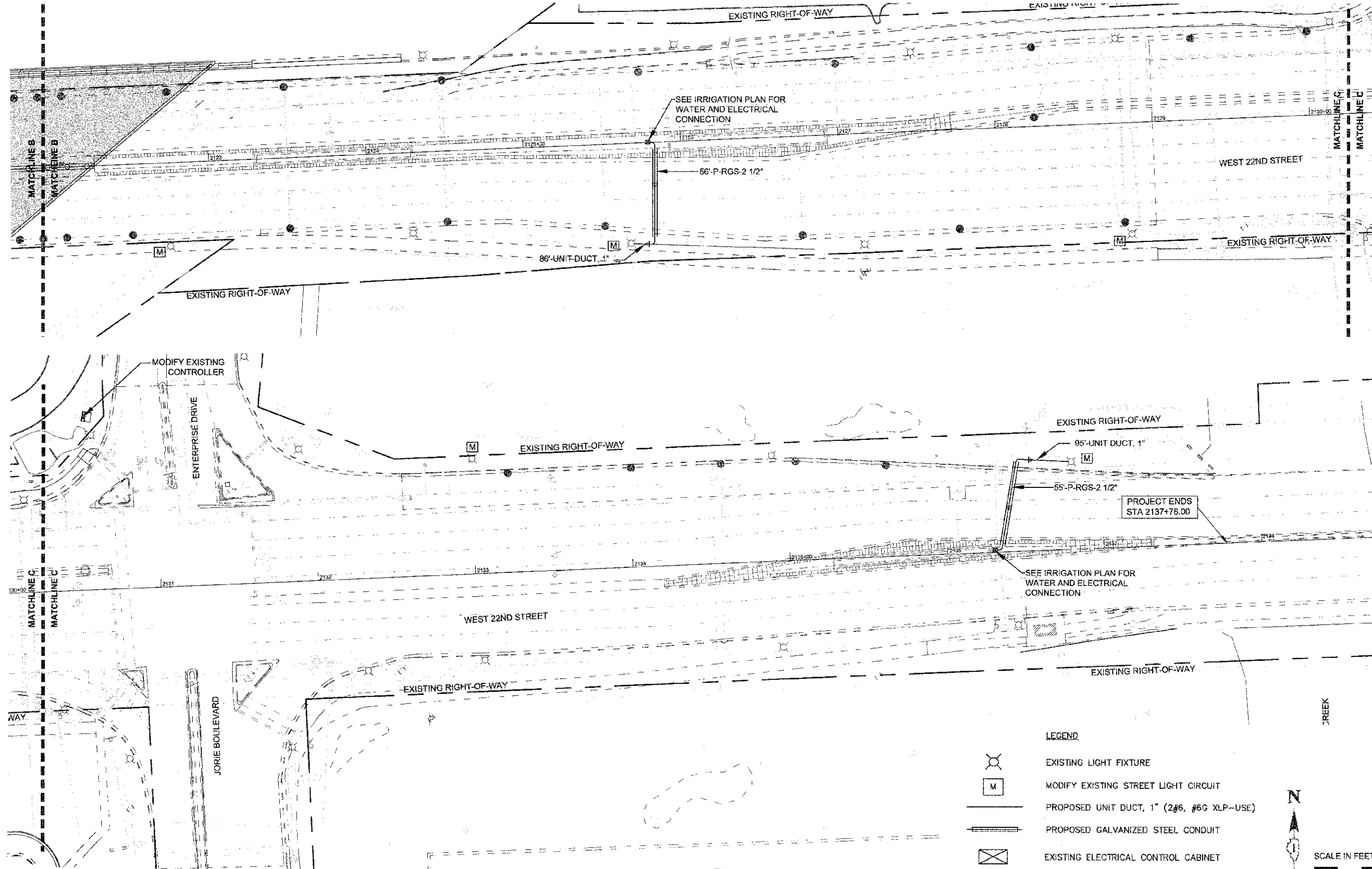
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION






ELECTRICAL PLAN

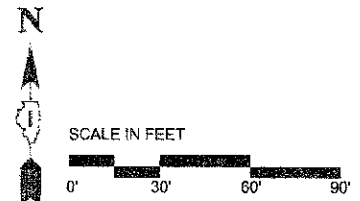
SCALE: 1" = 30' PROJECT - 03-0745-008 STA. 2105+83.00 TO STA. 2122+83.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1463	11-03043-00-LS	DUPAGE	20	10
CONTRACT 53863				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT TE-001 (872)				

PROJECT: 03-0745-001 DAK BROOK JOB 22ND STREET FEP ENHANCEMENT V.H. 03-0745-001-02-00-10-11-C-0000A.DWG 11
 Plotted: 12/19/2011 11:47 AM By: IKING
 Copyright © 2011, by Hitchcock Design Group



- LEGEND**
-  EXISTING LIGHT FIXTURE
 -  MODIFY EXISTING STREET LIGHT CIRCUIT
 -  PROPOSED UNIT DUCT, 1" (2#6, #6G XLP-USE)
 -  PROPOSED GALVANIZED STEEL CONDUIT
 -  EXISTING ELECTRICAL CONTROL CABINET



DESIGNED - MEU	REVISED -
DRAWN - BLG	REVISED -
CHECKED - TCK	REVISED -
DATE - 12-19-11	REVISED -

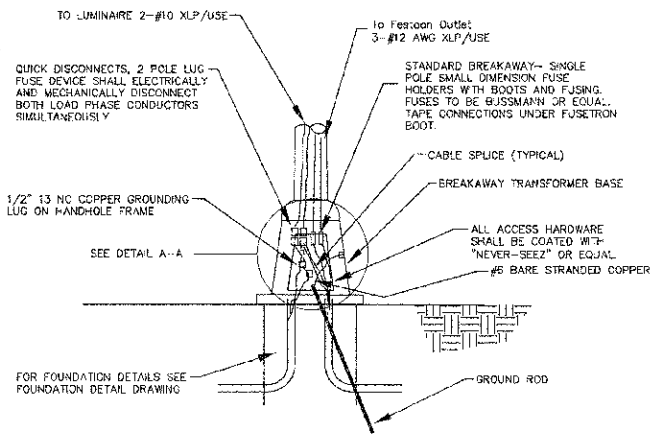
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ELECTRICAL PLAN

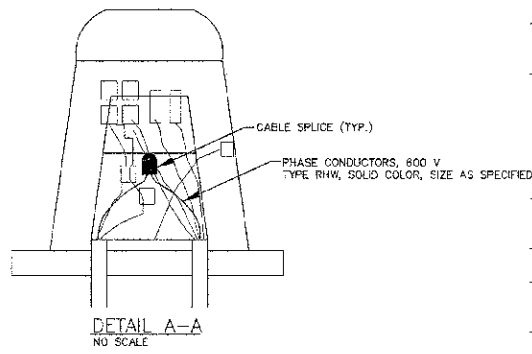
SCALE: 1" = 30'
 PROJECT - 03-0745-001 STA. 2122+63.00 TO STA. 2138+83.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
14E3	11-00043-00-LS	DUPAGE	20	11
CONTRACT 63863		ILLINOIS FED. AID PROJECT TE-001 (R2)		

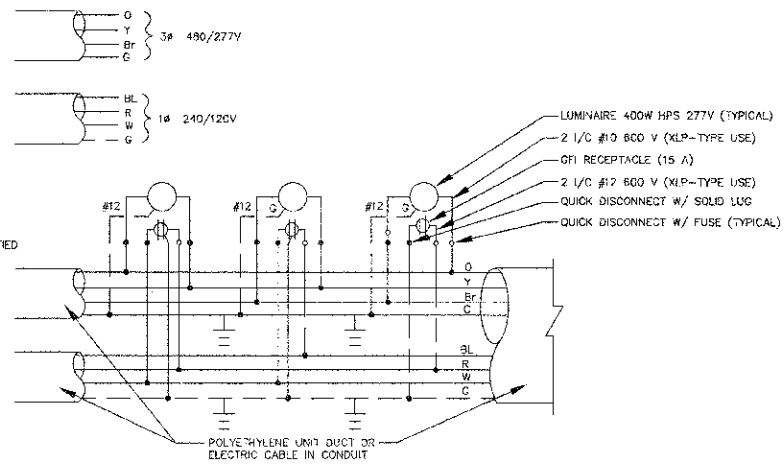
PROJECT: 03-0745-VILLAGE OF OAK BROOK, 22ND STREET IMPROVEMENTS (H. CHISHOLM) (03-0745-00-CV)-11-ELECTRICAL DETAILS AND NOTES.DWG 12
 PLOTTED: 12/19/2011 5:03 PM BY: T-KING
 Copyright © 2011, by Hitchcock Design Group



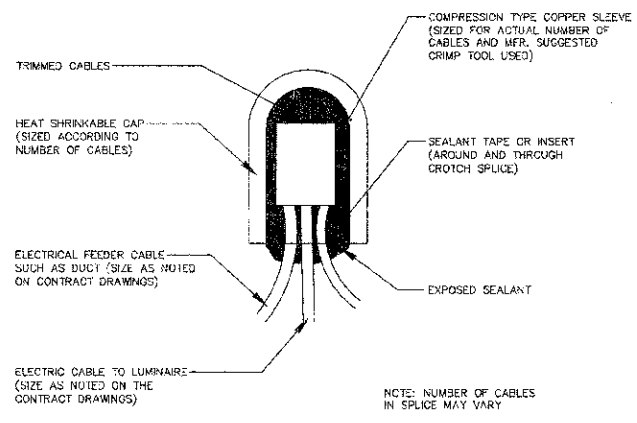
EXISTING POLE BASE DETAIL
NO SCALE



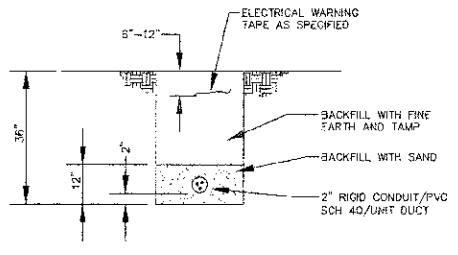
EXISTING LIGHT POLE WIRING W/FESTOON
240/120 VOLT 1 PHASE 6 WIRE
480/277 VOLT 3 PHASE LIGHTING
240/120 VOLT 1 PHASE FESTOON



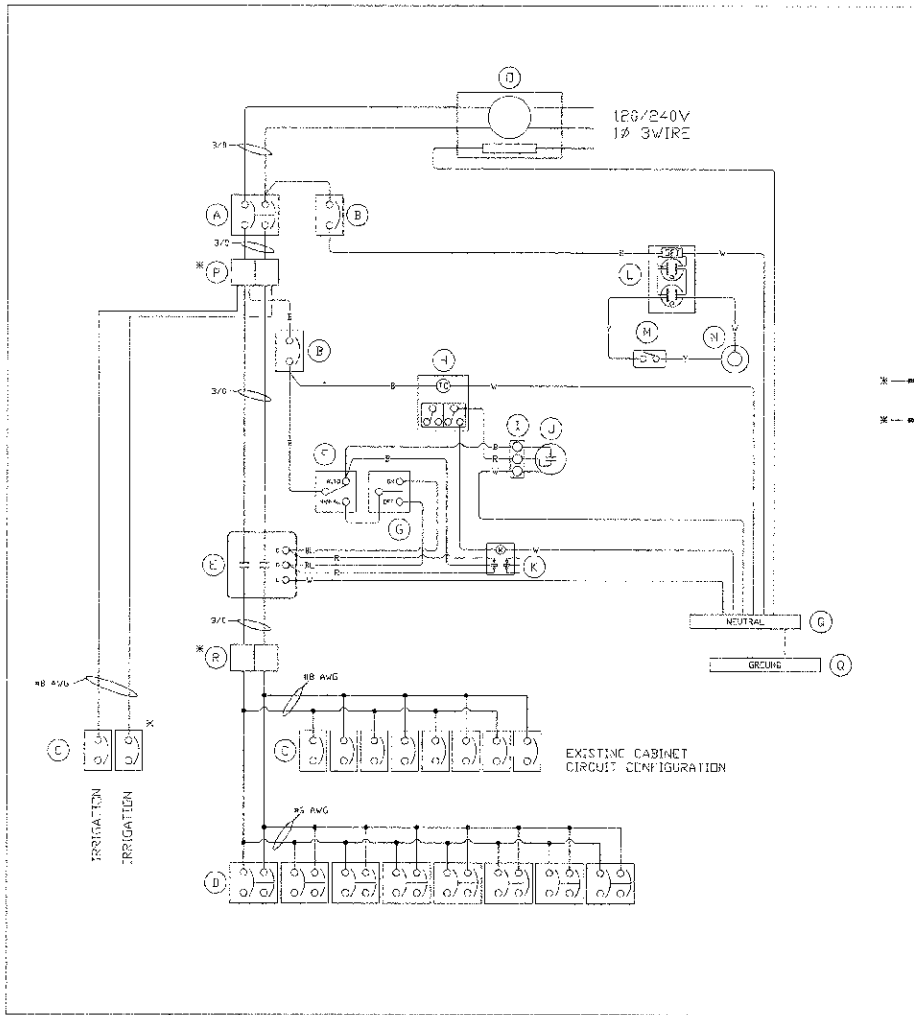
EXISTING LIGHT POLE WIRING W/FESTOON (MODIFIED)
240/120 VOLT 1 PHASE 6 WIRE
480/277 VOLT 3 PHASE LIGHTING
240/120 VOLT 1 PHASE FESTOON



ABOVE GROUND SPlicing ELECTRIC CABLE
NO SCALE



TRENCH BACKFILL FOR STREETLIGHTING DETAIL
NO SCALE



BILL OF MATERIALS		
ITEM	QTY	DESCRIPTION
A	1	C/H EDE200L 2P 200A MAIN BREAKER
B	2	C/H GH1015 1P 15A CTRL/AUX BREAKER
C	5	C/H GH1030 1P 30A FESTOON BREAKERS
D	5	C/H GH1050 2P 50A BRANCH BREAKERS
E	1	SQ.B. 9903PV10V32 120V COIL CONTACTOR
F	1	LEVITON CSE3-20 3-WAY TGGLE SWITCH
G	1	LEVITON 1257 MOMENTARY SWITCH
H	1	TRK DZSR003P 2 CH TIME CLOCK
I	1	CINCH 3PT TERMINAL BLOCK
J	1	FISHER PIERCE FPF105M PHOTOCCELL
K	1	MAGNECRAFT W389ACX-S 120V COIL RELAY
L	1	HUBBELL GF20L 20A GFCI RECP
M	1	MICRO BA-2301-A2 DOOR SWITCH
N	3	1848 V1000S LIGHT FIXTURE
U	1	MILBANK J8949-PI-TT-KK METER FITTING
W	2	FERRAZ 6762E SPLICE BLOCK
X	2	FERRAZ 6762E SPLICE BLOCK

NOTES:
 1. ALL POWER WIRING WILL BE RHH/RHW
 2. ALL CONTROL WIRING WILL BE #12 HTW
 3. WIRE COLORS:
 BL = BLUE
 W = WHITE
 B = BLACK
 R = RED
 Y = YELLOW

* - CABINET MODIFICATION

SCALE: NTS	APPROVED BY:	DRAWN BY: J.L.H.
DATE: 11/23/11		REVISED:
VILLAGE OF OAK BROOK		
22ND STREET - ISTRM 1-06-5510		
FESTOON LIGHTING CONTROLLER		DRAWING NUMBER: 1120101 JB

EXISTING FESTOON CABINET SCHEMATIC



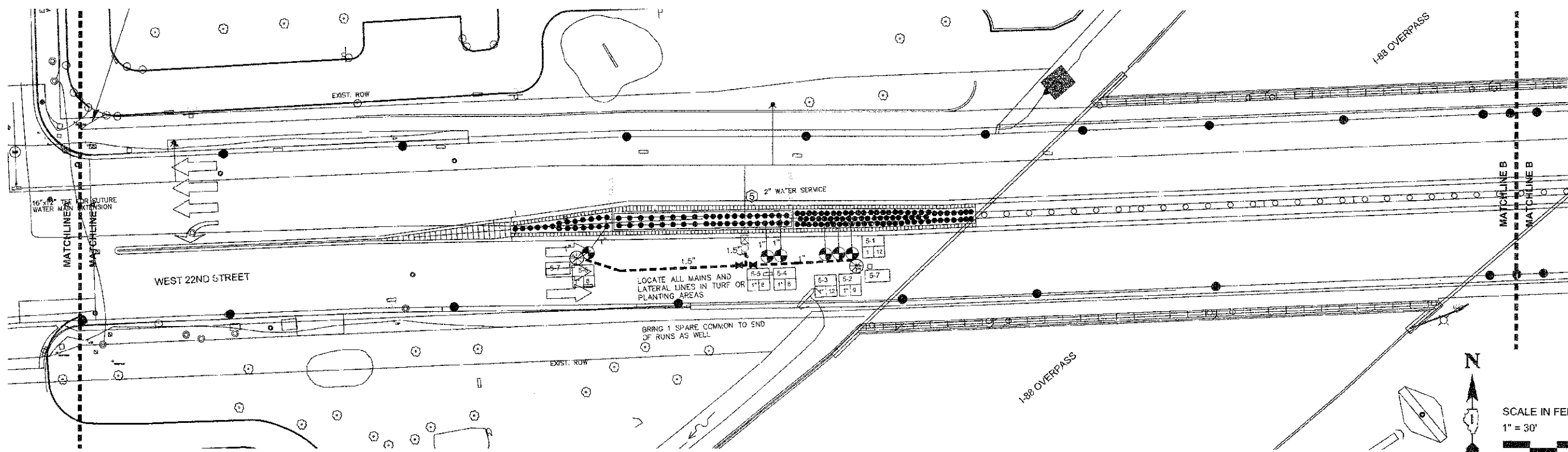
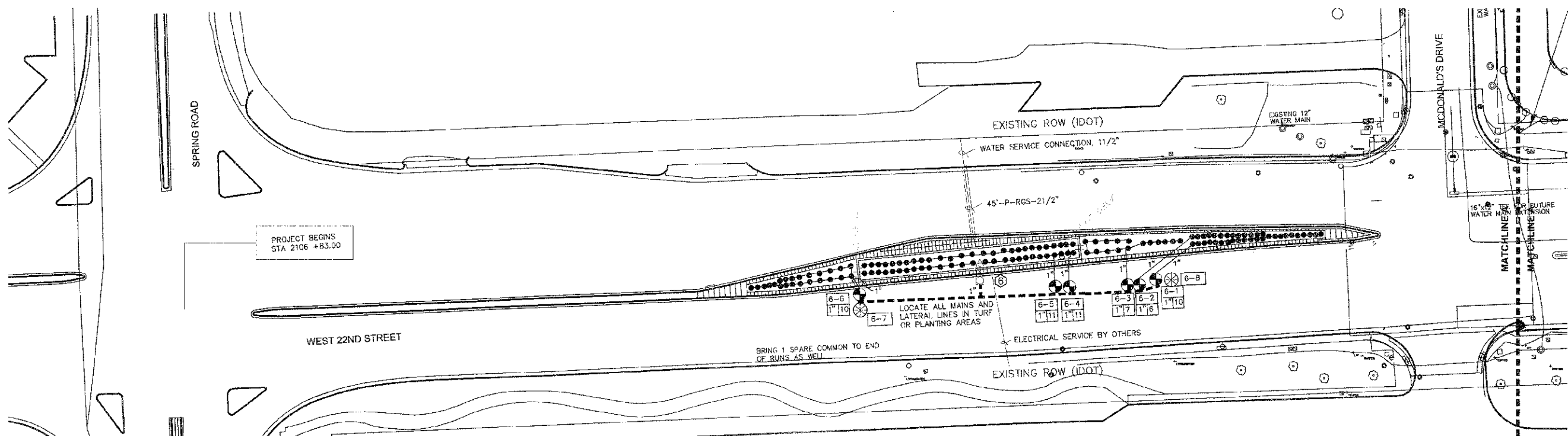
DESIGNED - MEU	REVISED -
DRAWN - BLG	REVISED -
CHECKED - TCK	REVISED -
DATE - 12-19-11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ELECTRICAL DETAILS AND NOTES

SCALE AS SHOWN PROJECT - 03-0745-008

F.A.U. RTE. 1463	SECTION 11-09043-00-LS	COUNTY DUPAGE	TOTAL SHEETS 20	SHEET NO. 12
CONTRACT 83663		ILLINOIS FED. AID PROJECT TE-001(872)		



SCALE IN FEET
1" = 30'



HITCHCOCK DESIGN GROUP
creating better places

DESIGNED - DPF
DRAWN - DPF
CHECKED - TCK
DATE - 12-19-11

REVISED -
REVISED -
REVISED -
REVISED -

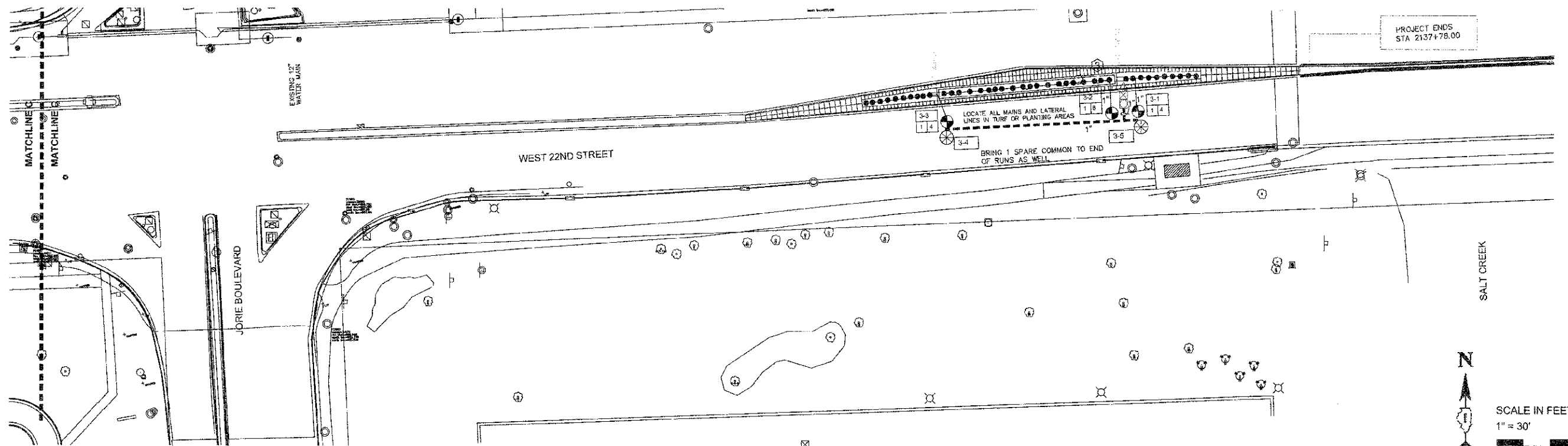
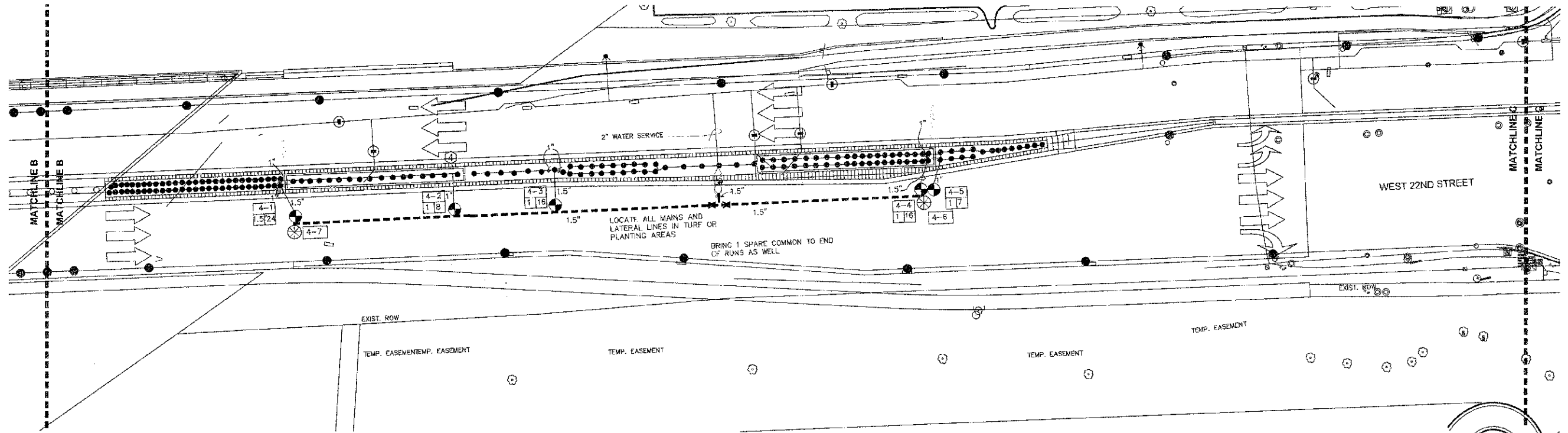
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IRRIGATION PLANS

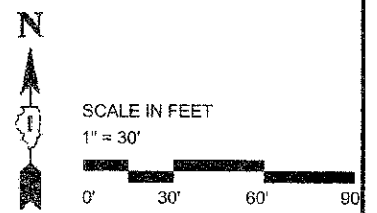
SCALE: 1" = 30'

PROJECT NO: 03-0745-008 STA. 2105+83.00 TO STA. 2106+83.00

F.A.U. R/L:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1453	11-00043-000-LS	DUPAGE	20	13
63863				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT TE-0001 (872)				



PROJECT ENDS
STA 2137+78.00



DESIGNED - DPF
DRAWN - DPF
CHECKED - TCK
DATE - 12-19-11

REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IRRIGATION PLANS

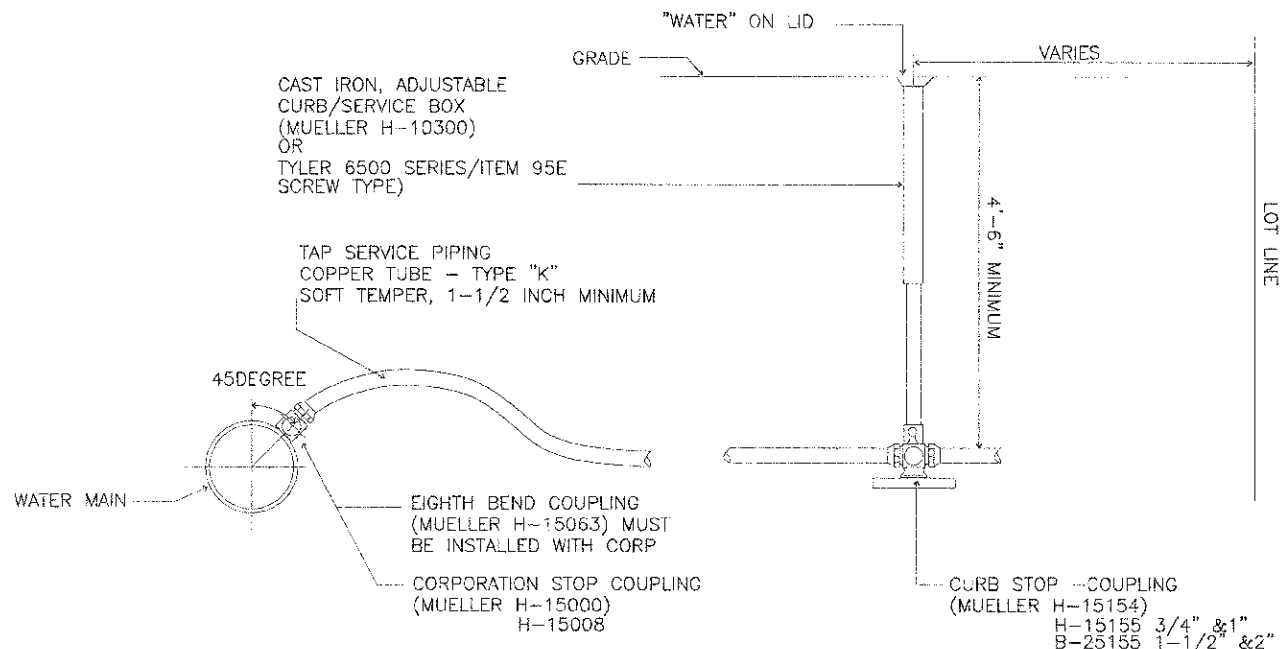
SCALE: 1" = 30'

PROJECT NO: 05-0745-008 STA. 2106+83.00 TO STA. 2106+83.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1453	11-00043-000-LS	DUPAGE	20	14
63683				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT TE-0601 (872)				

GENERAL IRRIGATION NOTES

- CONTACT ALL UTILITIES AND ENGINEER AT LEAST 5 DAYS PRIOR TO THE START OF CONSTRUCTION.
- MAINTAIN ALL CODES REQUIRED BY STATE AND LOCAL AUTHORITIES.
- COORDINATE ELECTRICAL HOOKUP WITH OTHER TRADES, ELECTRICIAN AND ENGINEER THE CONTROLLER WILL BE A STAND ALONE MOUNT WITH ELECTRICAL BROUGHT TO THE CONTROLLER LOCATION THE IRRIGATION CONTRACTOR WILL BE RESPONSIBLE FOR CONNECTIONS FROM THE POWER DROP TO THE CONTROLLER.
- COORDINATE ALL SLEEVES AND PENETRATIONS WITH OTHER TRADES.
- IRRIGATION CONTRACTOR IS RESPONSIBLE FOR BORES, SLEEVES OR PENETRATIONS RELATED TO THE IRRIGATION.
- INSTALL ALL PIPING AND FITTINGS USING GLUE METHODS CONSISTENT 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...
- SLEEVE UNDER ROAD, WALLS, PAVERS, AND DRIVES
 - SLEEVE WIRE AND PIPING SEPARATELY, SEE PLAN FOR SIZING
- 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 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 60 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.
- WATER METER WILL BE PROVIDED BY THE OWNER, COORDINATE WITH DON LANGE @ 630-368-5280.
- CONTRACTOR TO VERIFY THAT THE EXISTING B BOX/CURB STOP IS SELF DRAINING, IF NOT PROVIDE A SELF DRAINING B BOX/CURB STOP BETWEEN TAP AND IRRIGATION SYSTEM FOR WINTERIZATION.



NOTE: MUELLER BRONZE SERVICE SADDLE-DOUBLE STRAP WITH AWWA TAPER (CC) THREAD, BASE CATALOG NUMBER BR2B SERIES SHALL BE PROVIDED IN ALL CASES.

1 WATER SERVICE CONNECTION

NTS

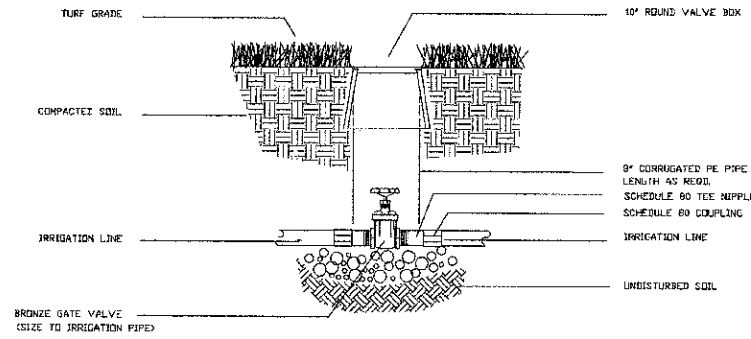
LEGEND

- RAINBIRD 1812 SAM-PRS OR EQUAL SPRAY HEAD NOZZLES XPCN FULL
- CL 200 PVC PIPE - MAINLINE, SEE PLAN FOR SIZES
- 1" & 1 1/2" PE PIPE
- HUNTER I-CORE 12 STATION OR EQUAL WITH PLASTIC PEDESTAL CONTROLLER AND SOLAR SYNC. MOUNT SOLAR SYNC IN PEDESTAL COORDINATE WITH OWNER FOR MOUNTING LOCATION, INSTALL AND GROUND TO MANUFACTURER'S RECOMMENDATIONS AND DETAILS CONTRACTOR RESPONSIBLE FOR PROVIDING POWER FROM TAP DROP TO CONTROLLER CONTROLLER IS TO BE LOCATED IN A GS-NP-1 ENCLOSURE BY BFDI OR EQUAL. COLOR TO BE DARK GREEN. INSTALL ENCLOSURE PER MANUFACTURES RECOMMENDATIONS.
- EXTRA WIRE DROP, LABEL AND LOCATE IN ADJACENT VALVE BOX.
- ISOLATION GATE VALVE - SIZE TO PIPE
- HUNTER PGV OR EQUAL ELECTRIC VALVES - SIZE PER PLAN
- BLOW OUT TAP WITH PLUG
- RPZ BACKFLOW PREVENTER AND METER - PROVIDED BY THIS CONTRACTOR. RPZ AND METER ARE TO BE LOCATED IN A ENCLOSURE BY BFDI OR EQUAL. COLOR TO BE DARK GREEN CONTRACTOR IS RESPONSIBLE TO ENSURE THAT THE METER AND BACKFLOW FIT IN THE ENCLOSURE. INSTALL PER MANUFACTURES RECOMMENDATIONS. IF A LARGER ENCLOSURE IS NEEDED, THE CONTRACTOR IS RESPONSIBLE TO PROVIDE IT.
- POINT OF CONNECTION - COORDINATE WITH OWNER & GENERAL CONTRACTOR IRRIGATION TAP IS TO BE 1.5" & 1". FOLLOW STATE AND LOCAL CODES FROM TAP THROUGH BACKFLOW PREVENTER, METER AND SYSTEM.
- PIPE SIZE
- PVC Class 200 SLEEVE IN LANDSCAPE - SIZE PER PLAN

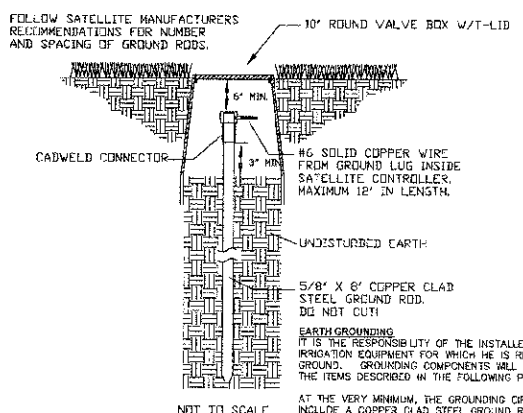
4 1/2" SLEEVE

WIRE SLEEVE SIZE
PIPE SLEEVE

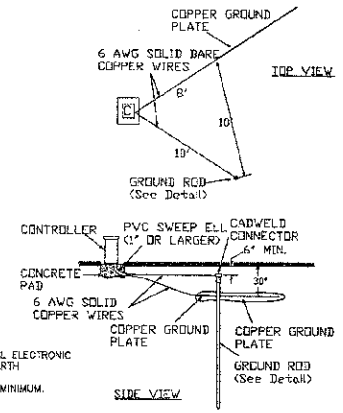
CONTROLLER NUMBER PULSE WIRE COLOR CODE #14 GAUGE
STATION NUMBER
Valve #
ZONE GPM
VALVE SIZE
White - COMMON #14 GA.



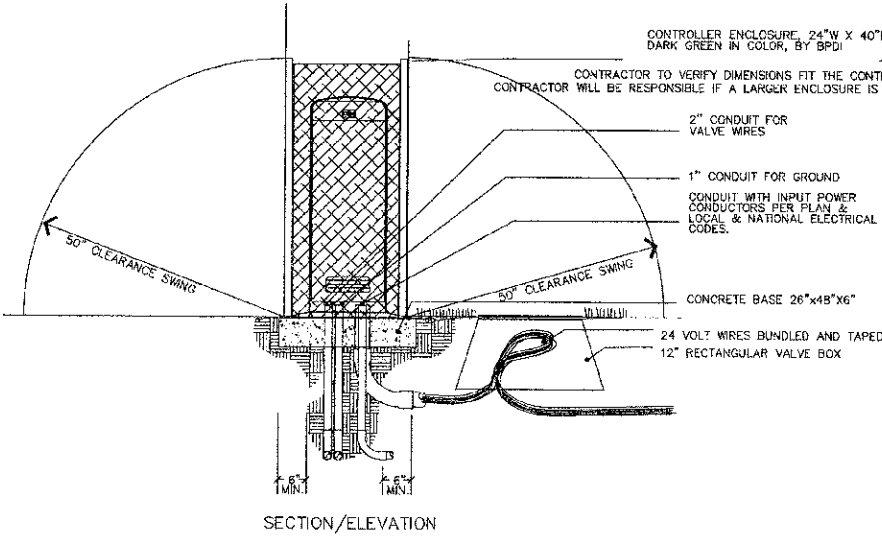
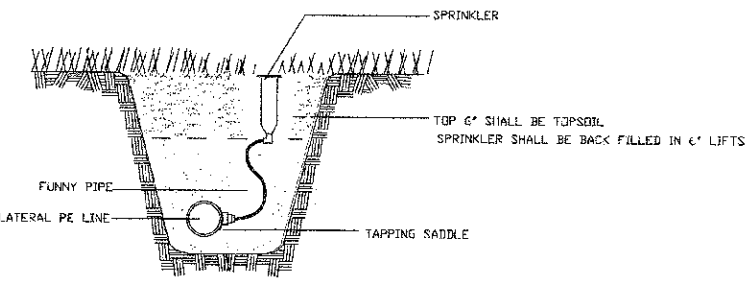
1 ISOLATION VALVE 3" AND SMALLER
NO SCALE



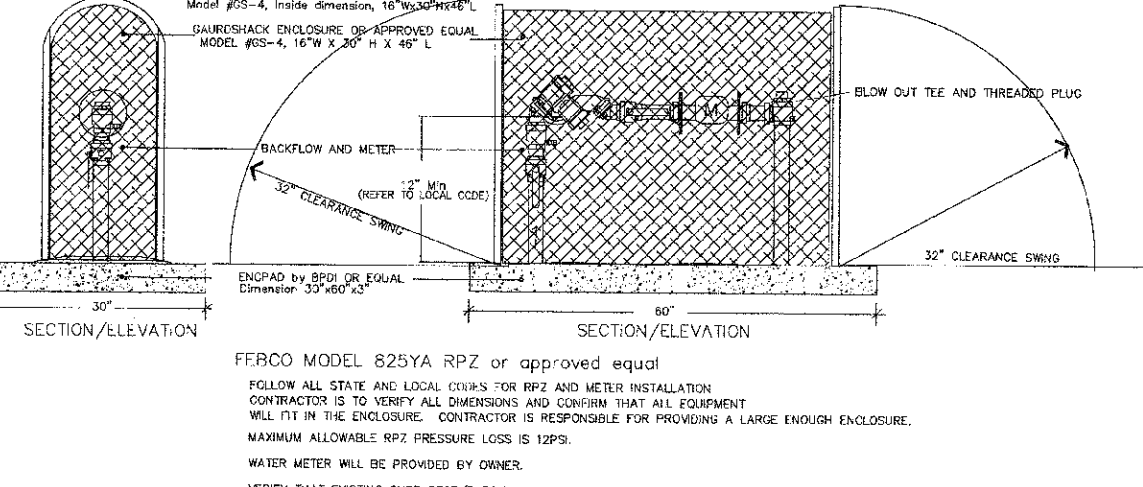
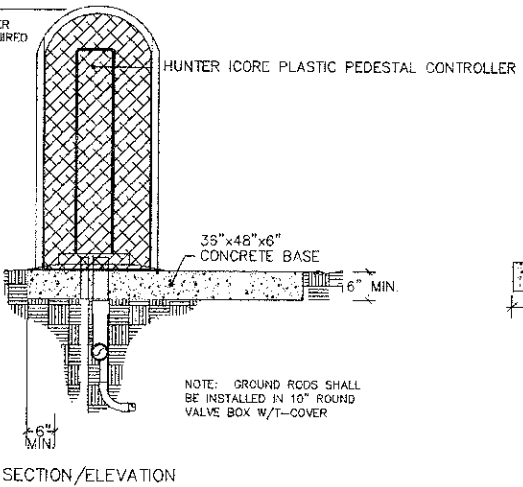
2 CONTROLLER GROUNDING
NO SCALE



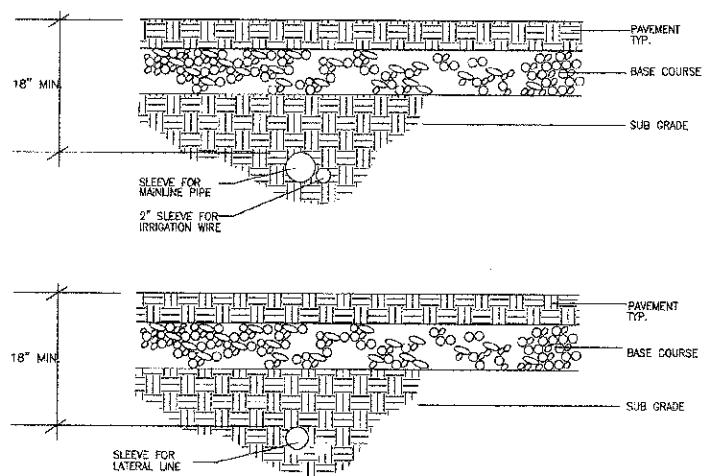
3 SPRAY HEAD AND SMALL ROTOR HEAD
NO SCALE



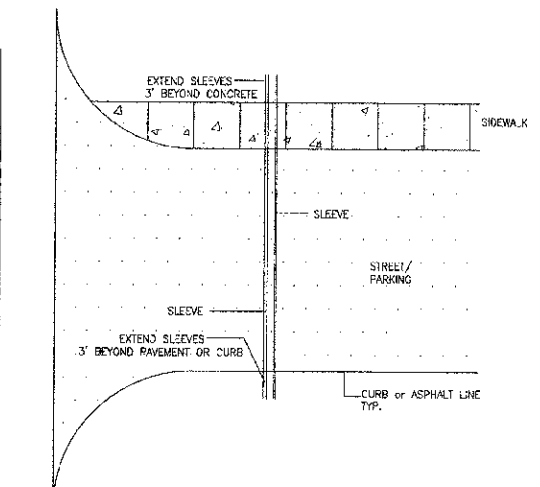
4 CONTROLLER MOUNT
NO SCALE



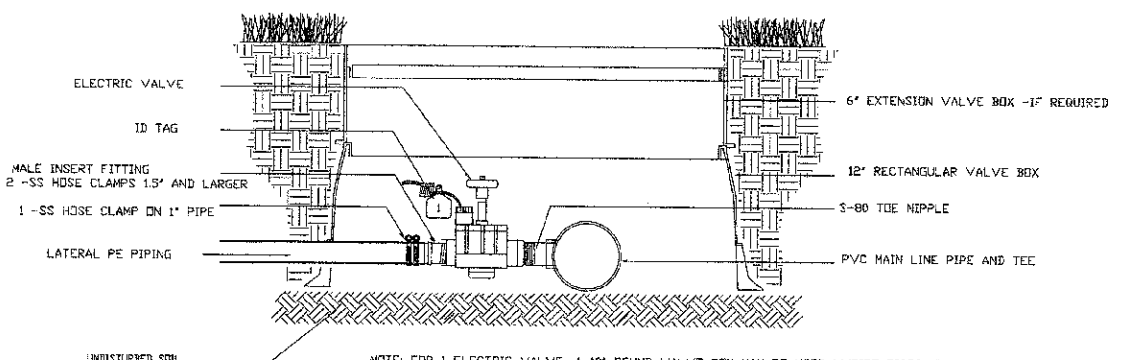
5 BACKFLOW / METER ENCLOSURE
NO SCALE



6 SLEEVING
NO SCALE



7 ELECTRIC VALVE / MULTIPLE VALVES - PE PIPES
NO SCALE



7 ELECTRIC VALVE / MULTIPLE VALVES - PE PIPES
NO SCALE



DESIGNED - DPF
DRAWN - DPF
CHECKED - TCK
DATE - 12-19-11

REVISED -
REVISED -
REVISED -
REVISED -

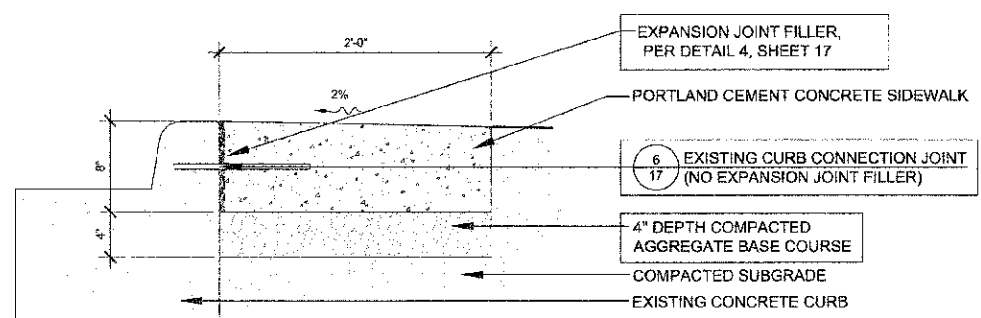
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IRRIGATION DETAILS

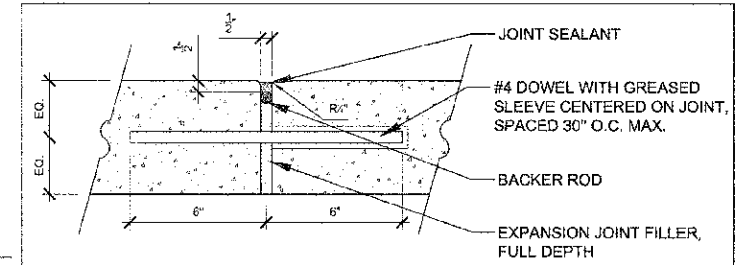
SCALE: AS SHOWN PROJECT NO. 05-0745-028 STA. 2106+83.00 TO STA. 2106+83.00

F.A.U. RTE. 1453	SECTION 11-00043-000-LS	COUNTY DUPAGE	TOTAL SHEETS 20	SHEET NO. 16
63663				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT TE-0001 (672)				

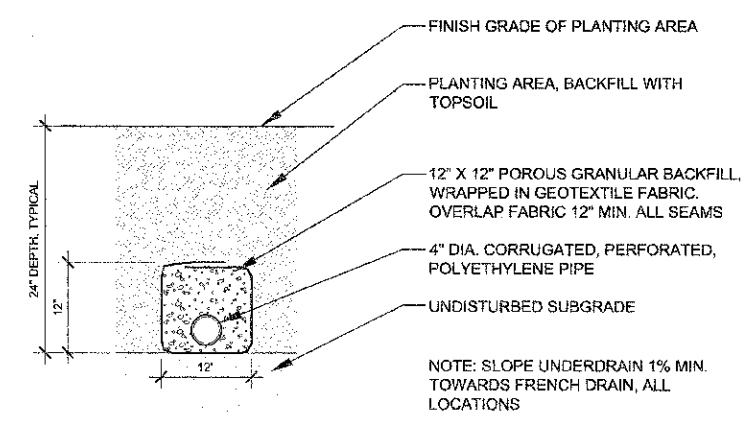
PROJECT: 03-0745-00-LS OF 03-0745-00-LS - CONSTRUCTION DETAILS - SHEET 17
 DATE: 12/15/11 12:42 PM BY: TCK
 DRAWN BY: TCK
 CHECKED BY: TCK
 DATE: 12-19-11



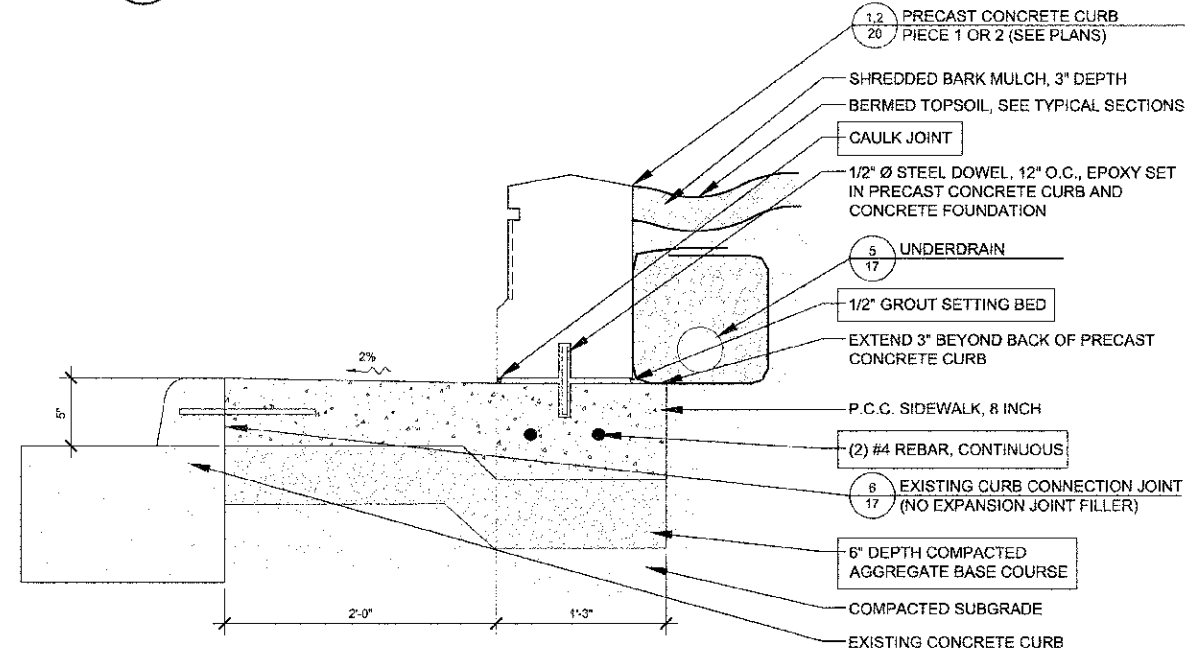
1 P.C.C. SIDEWALK 8 INCH, SPECIAL
 SCALE: 1 1/2" = 1'-0"
 D-GONC-STRIP



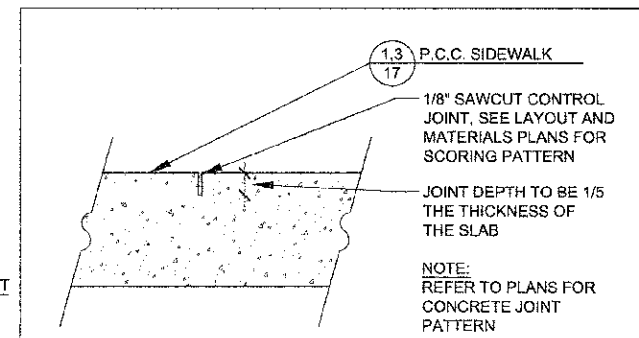
4 EXPANSION JOINT
 SCALE: 3" = 1'-0"
 D-JOINT-EXP



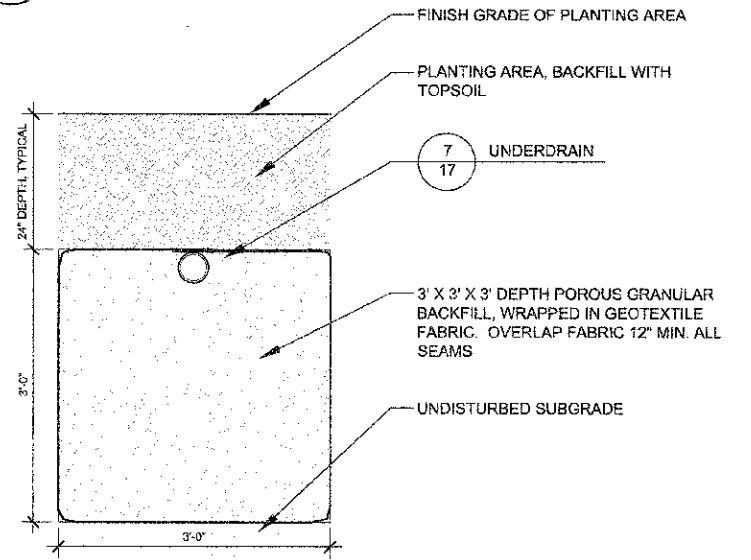
7 UNDERDRAIN
 SCALE: 1" = 1'-0"
 D-UNDERDRAIN



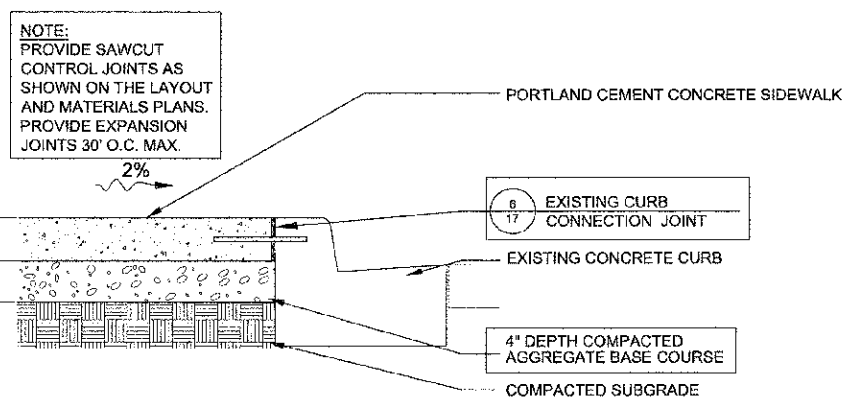
2 P.C.C. SIDEWALK 5 INCH, SPECIAL AT PRECAST CONCRETE CURB
 SCALE: 1 1/2" = 1'-0"
 D-GONC-STRIP-FOOTING



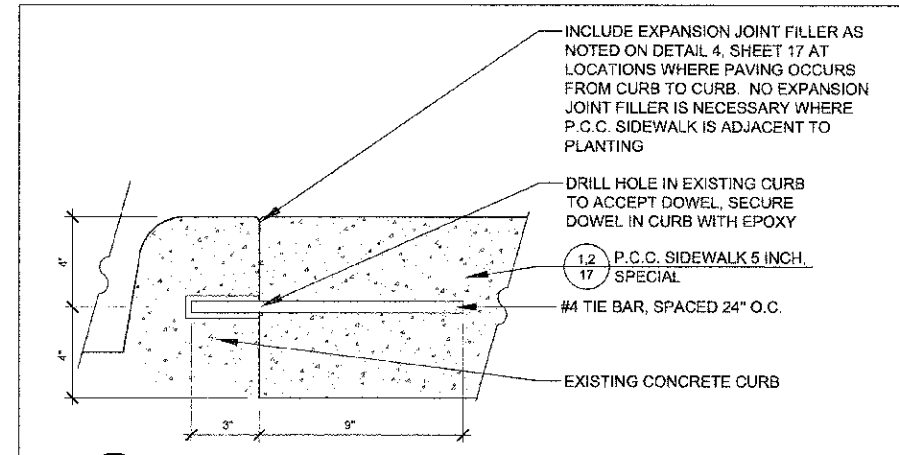
5 CONTROL JOINT
 SCALE: 3" = 1'-0"
 D-JOINT-CONTROL



8 FRENCH DRAIN
 SCALE: 1" = 1'-0"
 D-FRENCH DRAIN



3 P.C.C. SIDEWALK 5 INCH, SPECIAL
 NOT TO SCALE
 D-GONC-PAV



6 EXISTING CURB CONNECTION JOINT
 SCALE: 3" = 1'-0"
 D-JOINT-EXP-EX CURB



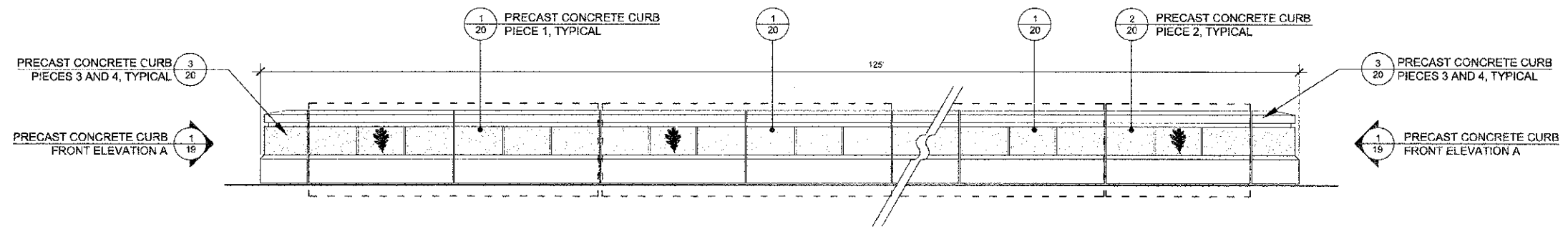
DESIGNED - MEU	REVISION
DRAWN - BLG	REVISION
CHECKED - TCK	REVISION
DATE - 12-19-11	REVISION

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1453	11-00043-00-LS	DUPAGE	20	17
CONTRACT 63863				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT TE-001(872)				

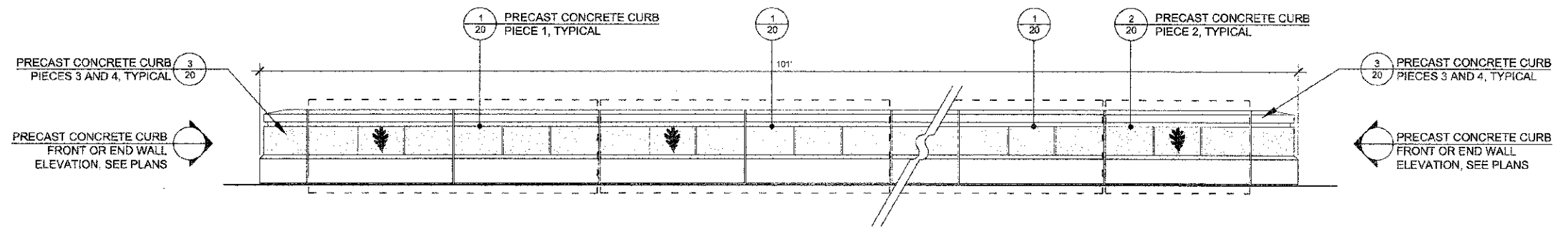
SCALE AS SHOWN PROJECT - 03-0745-008



1 PRECAST CONCRETE CURB - SIDE ELEVATION A
SCALE: 3/4" = 1'-0"

LOCATION:
STA. 2110+22.46 TO STA. 2111+47.46

D-ELEV-WALL-SIDE A



2 PRECAST CONCRETE CURB - SIDE ELEVATION B
SCALE: 3/4" = 1'-0"

LOCATIONS:
STA. 2116+89.93 TO STA. 2117+90.93
STA. 2123+28.37 TO STA. 2124+29.37
STA. 2125+92.27 TO STA. 2126+93.27
STA. 2135+27.20 TO STA. 2136+28.20

D-ELEV-WALL-SIDE B

J:\PROJECTS\2005\0745-11\LAG OF DAK BROADWAY-22ND STREET FCF ENHANCEMENT\16-03-30-CE\17-20-CONSTRUCTION DETAILS.DWG 18
 Plotted: 12/15/2011 5:08 PM By: TK NG
 Copyright © 2011, By: Hitchcock Design Group



DESIGNED - MEU	REVISED -
DRAWN - BLG	REVISED -
CHECKED - TCK	REVISED -
DATE - 12-19-11	REVISED -

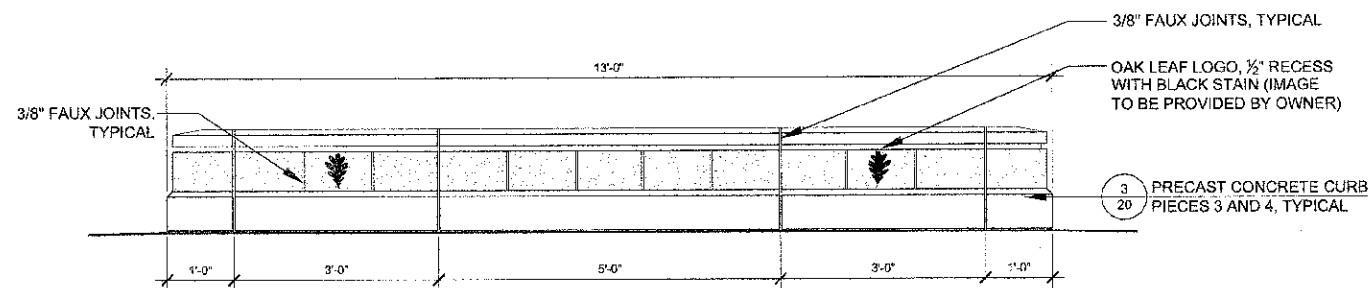
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

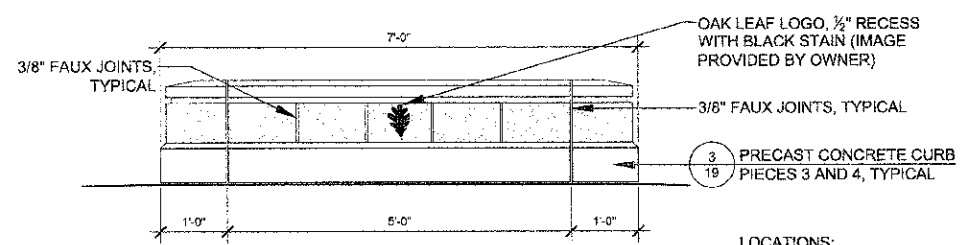
SCALE: AS SHOWN

PROJECT: 03-0745-008

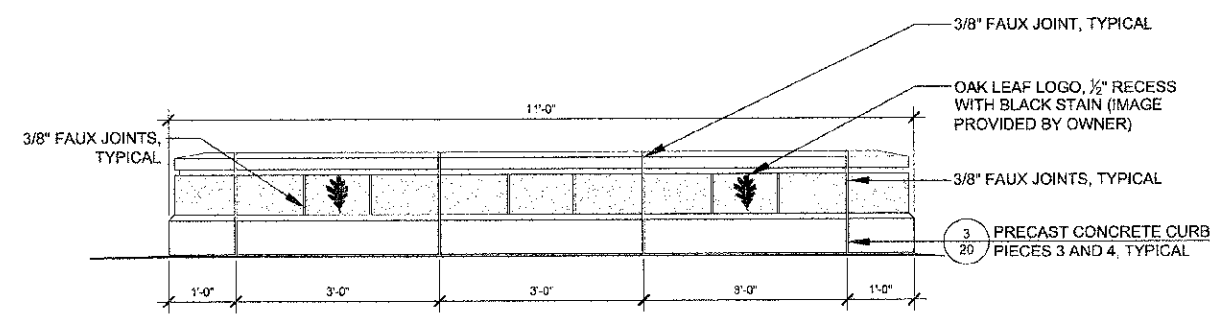
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1463	11-00043-03-LS	DUPAGE	20	18
CONTRACT 63883				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT TE-001 (872)				



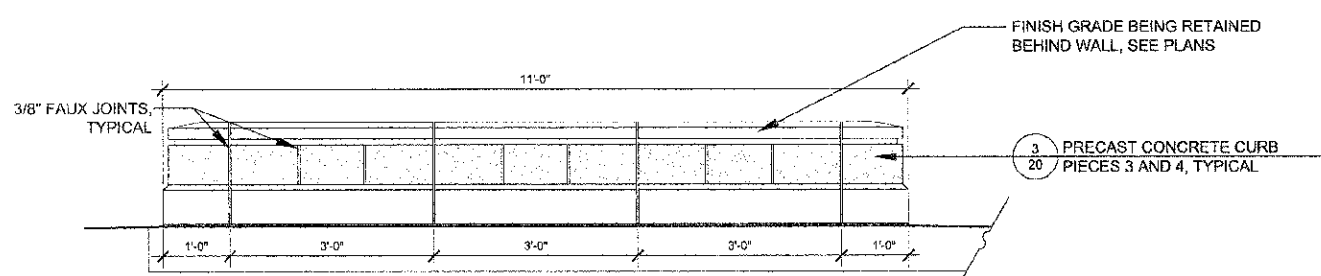
1 PRECAST CONCRETE CURB - FRONT ELEVATION A
 SCALE: 3/4" = 1'-0"
 D-ELEV-WALL-NOSE A
 LOCATIONS:
 STA. 2110+22.46
 STA. 2111+47.46



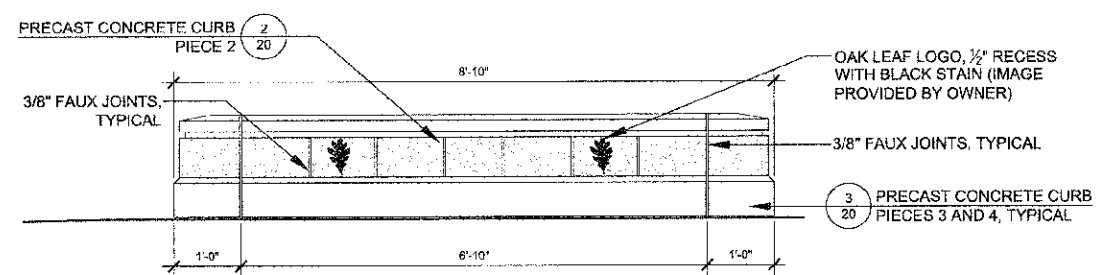
4 PRECAST CONCRETE CURB - FRONT ELEVATION D
 SCALE: 3/4" = 1'-0"
 D-ELEV-WALL-NOSE D
 LOCATIONS:
 STA. 2135+27.20
 STA. 2136+28.20



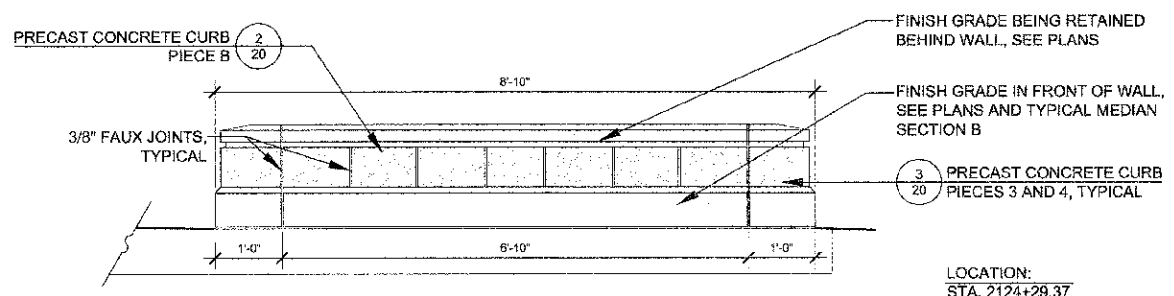
2 PRECAST CONCRETE CURB - FRONT ELEVATION B
 SCALE: 3/4" = 1'-0"
 D-ELEV-WALL-NOSE B
 LOCATIONS:
 STA. 2116+89.93
 STA. 2117+90.93
 STA. 2126+93.27



5 PRECAST CONCRETE CURB - END ELEVATION A
 SCALE: 3/4" = 1'-0"
 D-ELEV-WALL-END A
 LOCATION:
 STA. 2125+92.27



3 PRECAST CONCRETE CURB - FRONT ELEVATION C
 SCALE: 3/4" = 1'-0"
 D-ELEV-WALL-NOSE C
 LOCATION:
 STA. 2123+28.37



6 PRECAST CONCRETE CURB - END ELEVATION B
 SCALE: 3/4" = 1'-0"
 D-END-ELEV-WALL-B

J:\PROJECTS\1700\S\045-VILLAGE OF OAK BROOK\G08-27ND STATE HELP ENHANCEMENTS\GRAPHICS\05-30-17-20-CONSTRUCTION DETAILS DWG 19
 Date: 12/19/2011 4:30 PM BY: TIRIK
 Copyright © 2011, by Hitchcock Design Group

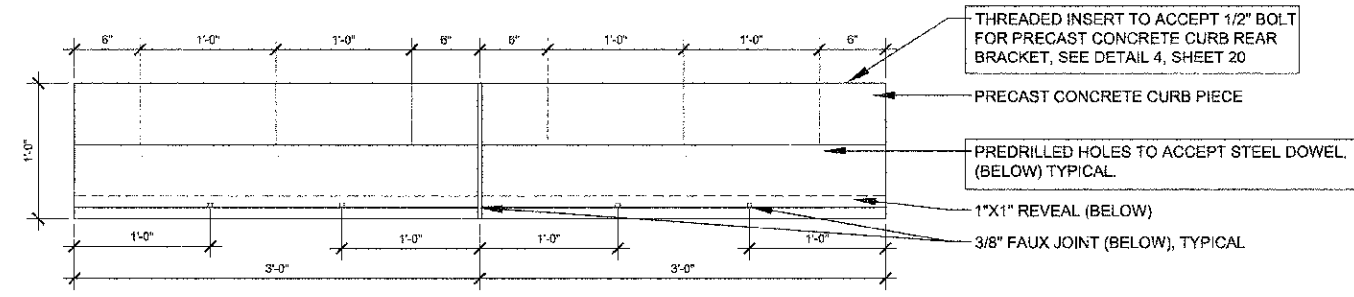


DESIGNED - MEU	REVISED -
DRAWN - BLG	REVISED -
CHECKED - TCK	REVISED -
DATE - 12-19-11	REVISED -

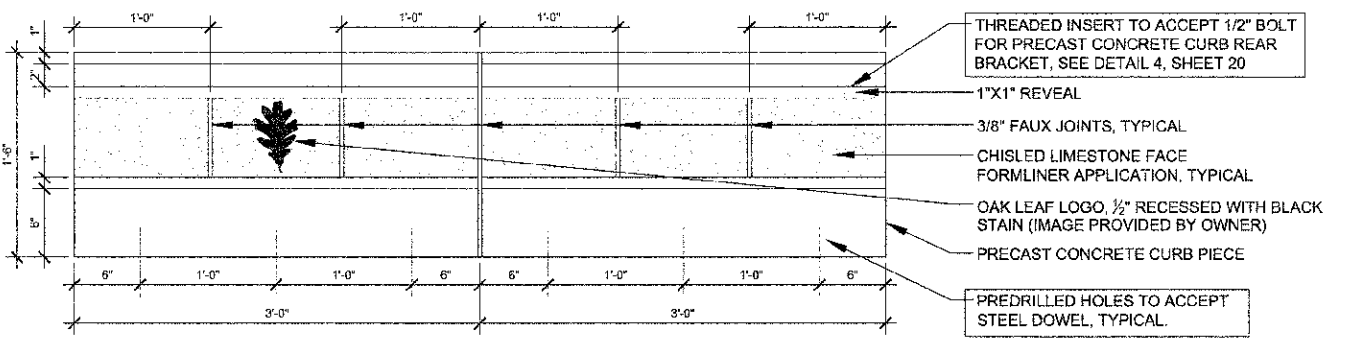
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE AS SHOWN	PROJECT - 03-0745-008
----------------	-----------------------

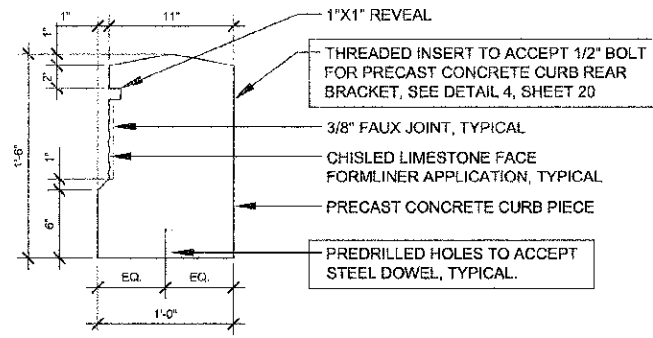
FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1453	11-00943-06-L5	DUPAGE	20	19
CONTRACT 63663		ILLINOIS FED. AID PROJECT TE 09D1 (872)		



PLAN

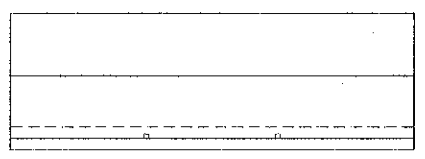


ELEVATION

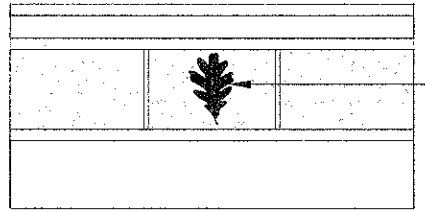


SECTION

1 PRECAST CONCRETE CURB - PIECE 1
SCALE: 1 1/2" = 1'-0" D-PRECAST-MEDIAN-A

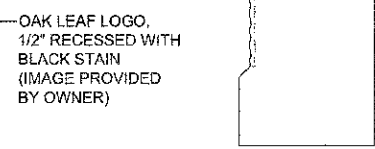


PLAN



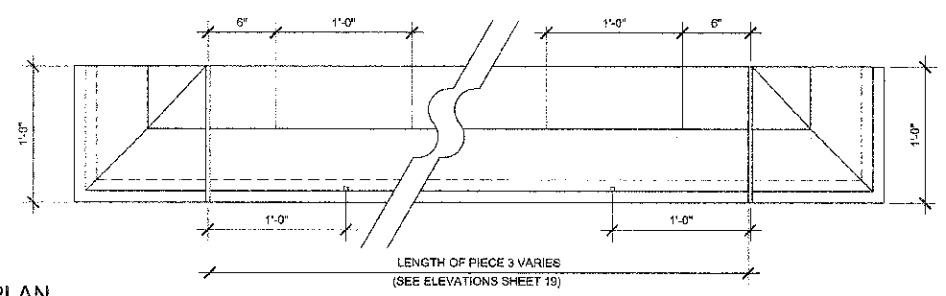
ELEVATION

NOTE: ALL NOTES AND DIMENSIONS THE SAME AS PRECAST CONCRETE CURB PIECE 1 UNLESS NOTED OTHERWISE

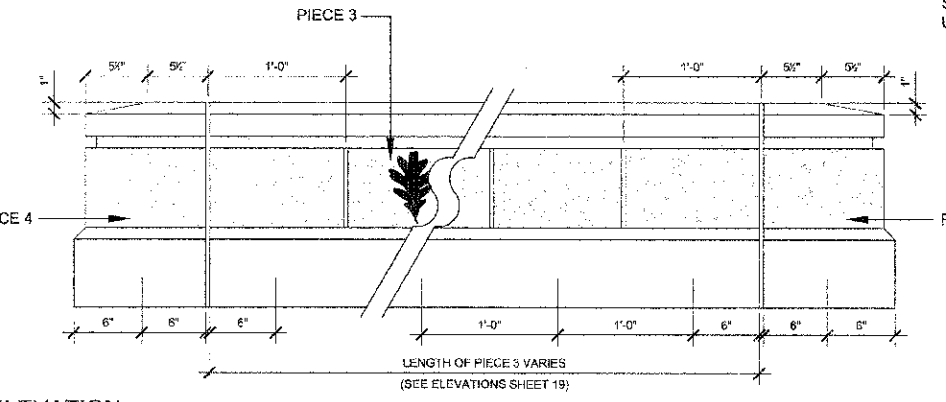


SECTION

2 PRECAST CONCRETE CURB - PIECE 2
SCALE: 1 1/2" = 1'-0" D-PRECAST-MEDIAN-B

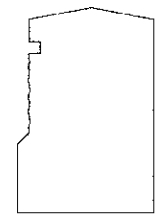


PLAN



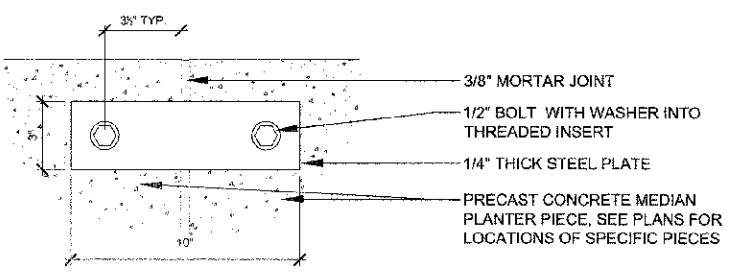
ELEVATION

NOTE: ALL NOTES AND DIMENSIONS THE SAME AS PRECAST CONCRETE CURB PIECE 1 UNLESS NOTED OTHERWISE

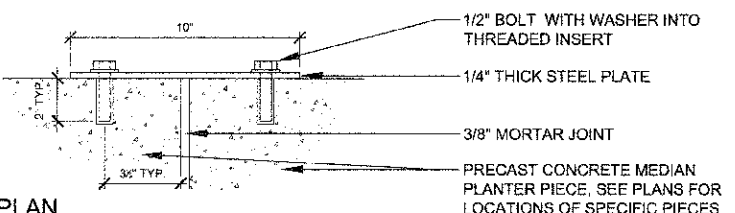


SECTION

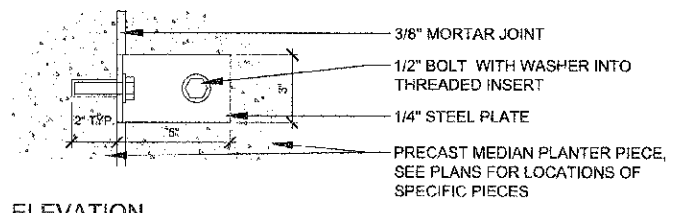
3 PRECAST CONCRETE CURB - PIECES 3 AND 4
SCALE: 1 1/2" = 1'-0" D-PRECAST-MEDIAN-NOSE-END



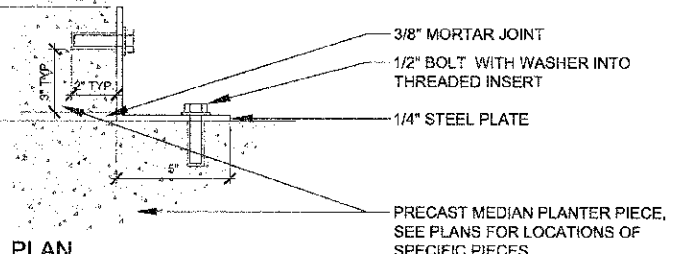
ELEVATION



PLAN STRAIGHT



ELEVATION



PLAN CORNER

4 PRECAST CONCRETE CURB - CONNECTION BRACKETS
SCALE: 3" = 1'-0" D-PRECAST-BRACKET-S

J:\PROJECTS\7005\0746-WILDADE OF OAK BRICK\008-22ND STREET STEP ENHANCEMENTS\GRAPHICS\05-20-CD\17_20-CONSTRUCTION_09\WLS.DWG 20
 Plotfile: 12/16/2011 12:43 PM by: TKANG
 Copyright © 2011, B. Hitchcock Design Group



DESIGNED - MEU	REVISD -
DRAWN - BLG	REVISD -
CHECKED - TCK	REVISD -
DATE - 12-19-11	REVISD -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

SCALE: AS SHOWN

PROJECT - 03-0745-008

F.A.U. RTE	SECTION	COUNTY	TOTAL SHEETS	NO.
1453	11-00043-00-LS	DUPAGE	20	20
CONTRACT 63063		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT TE-001(872)		