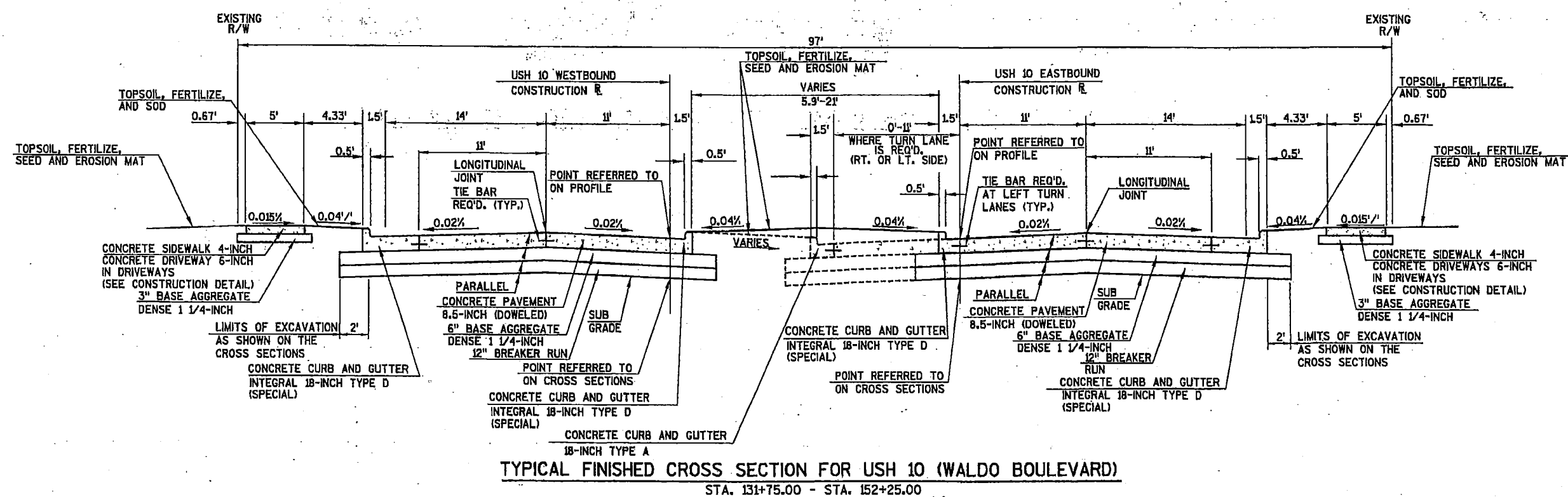
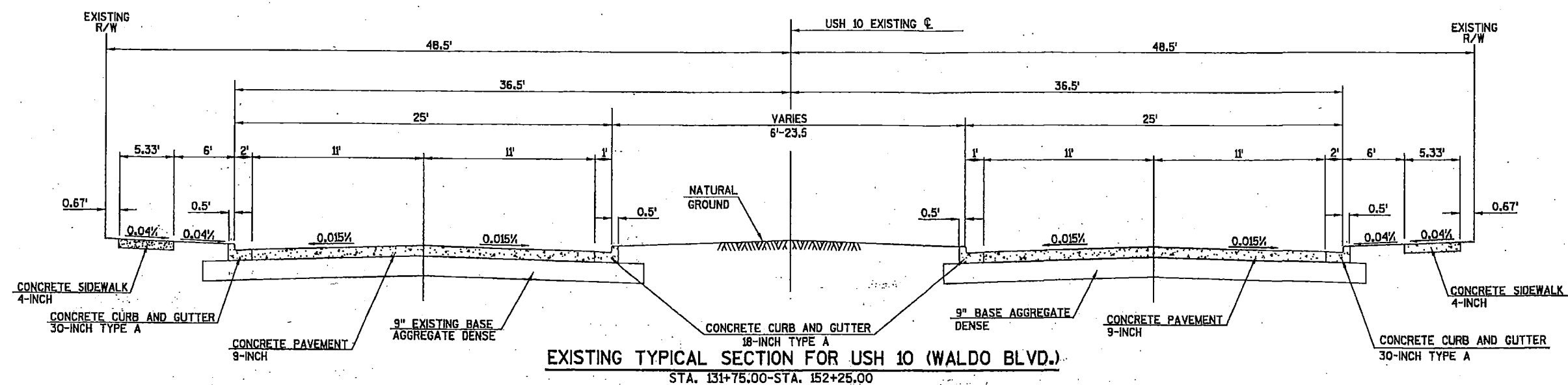
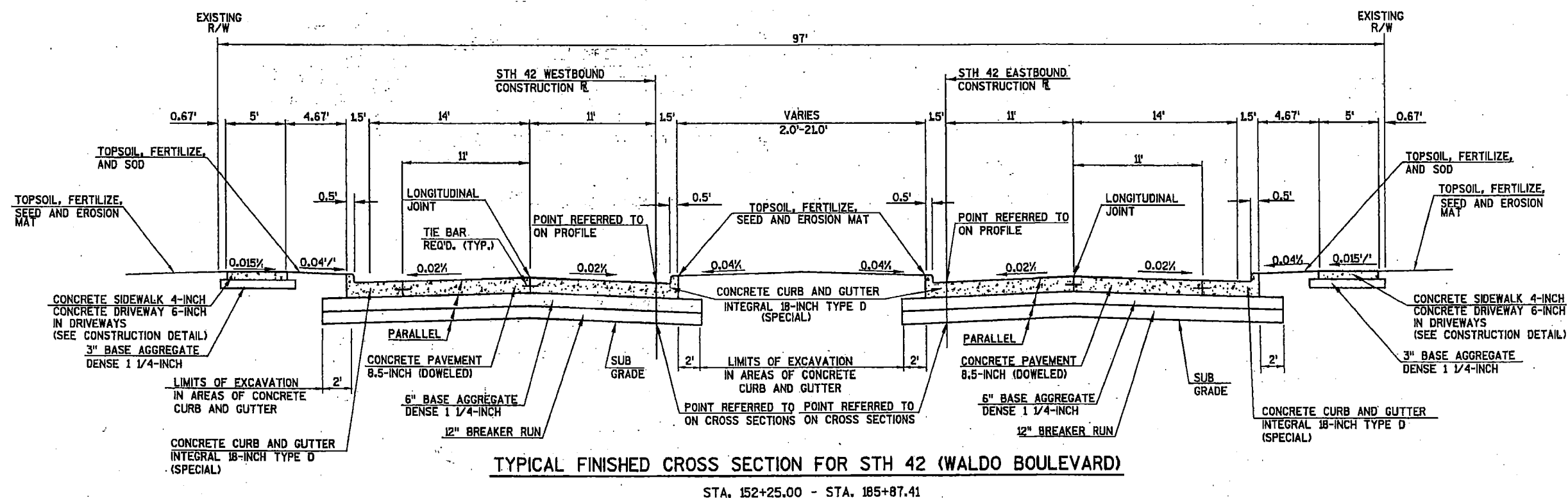
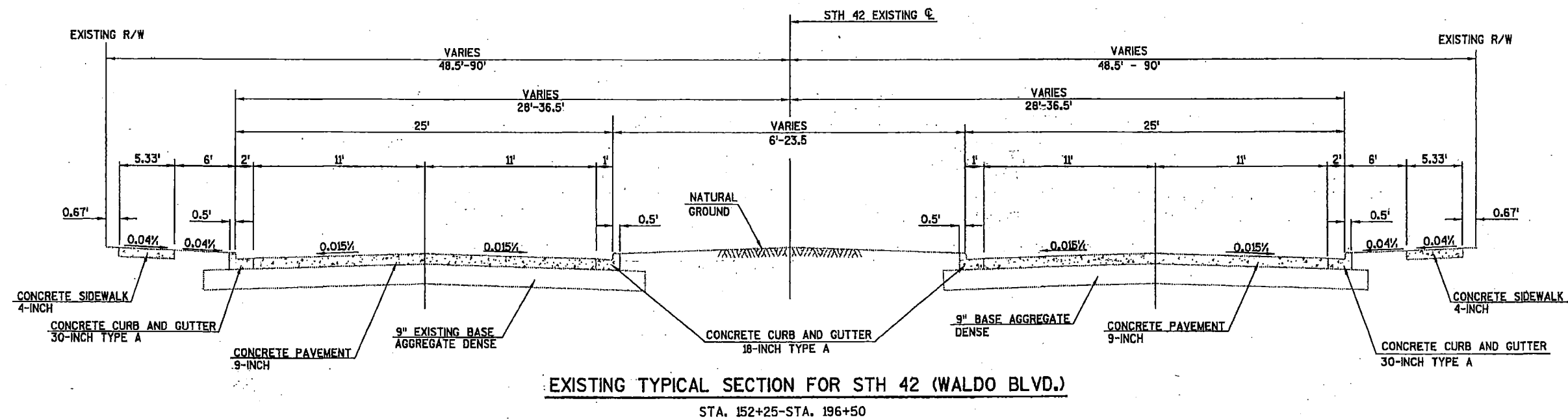




N. 14th N. 8th



N. 8th Old Elks Driveway

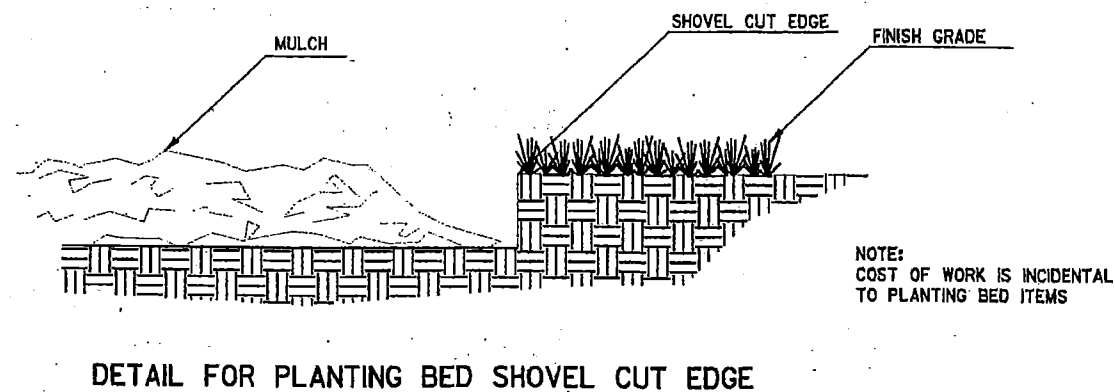
PLANTS AND TREES

ID	STATION	TO STATION	LOCATION	DECIDUOUS TREES						ORNAMENTAL TREES				SHRUBS & PERENNIALS			
				632.0101.01	632.0101.02	632.0101.03	632.0101.04	632.0101.05	632.0101.06	632.0101.07	632.0101.08	632.0101.09	632.0101.10	632.0101.11	632.0101.12	632.0201.01	SPV.0060.10
				AUTUMN	COMMON	ESPRESSO	REGAL	RED	REDMOND	SKYLINE	SWAMP	AUTUMN	COLORADO	CRUSAHER	SPRING	FLUMOSA	WALKER'S
				GOLD	HACKBERRY	KENTUCKY	ELM	MAPLE	LINDEN	HONEYLOCUST	WHITE	BRILLIANCE	BLUE	THORNLESS	SNOW	CREEPING	LOW BLUE
				GINKGO	(HA)	KOFFEETREE	(RE)	(RM)	(RL)	(SH)	OAK	SERVICEBERRY	SPRUCE	COCKSPUR	CRABAPPLE	JUNIPER	CATMINT
				(GI)		(KC)					(WO)	(AS)	(BS)	HAWTHORN (CO)	(SS)	(CJ)	(WL)
				EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
PROJECT 1500-37-74																	
	131+75	-	135+00	USH 10	-	-	-	-	-	1	-	-	-	2	-	-	-
	135+00	-	147+00	USH 10	-	-	-	7	2	-	-	2	-	-	-	-	-
	147+00	-	152+00	USH 10	-	-	-	2	-	-	-	3	-	-	-	-	-
PROJECT TOTALS				0	0	0	0	9	2	1	0	5	0	2	0	0	0
PROJECT 4570-12-71																	
	152+00	-	157+00	STH 42	-	-	3	-	-	-	-	-	-	2	-	-	-
	157+00	-	163+00	STH 42	3	-	2	-	-	-	2	-	-	1	-	-	-
	163+00	-	169+00	STH 42	-	2	-	3	-	2	-	-	-	2	-	-	-
	169+00	-	175+00	STH 42	-	2	4	1	-	3	2	-	-	-	-	-	-
	175+00	-	181+00	STH 42	-	-	2	2	-	4	1	3	-	-	-	-	-
	181+00	-	187+00	STH 42	-	2	-	-	-	3	1	3	-	-	2	-	-
	187+00	-	193+00	STH 42	-	-	-	-	-	-	-	8	11	3	-	111	228
PROJECT TOTALS				3	6	11	6	0	6	9	8	11	11	8	2	111	228
TOTALS				3	6	11	6	9	8	10	8	16	11	10	2	111	228

ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE STATED

PLANT DATA CHART

COMMON NAME	SCIENTIFIC NAME	TYPE	AVG.	SIZE (CAL.	MODE	ROOT	MINIMUM SIZE			PLANT HOLE	GUY/BRACE REQ'D	FERT.	RODENT	MULCH
			MATURE HEIGHT	OR HT.) WHEN PLANTED		ZONE DIAM.	BALL/POT DEPTH	SPREAD	ROOT DIAM.			DEPTH	UNITS REQ'D	PROTECT DIAM.
DECIDUOUS TREES														
AUTUMN GOLD GINKGO	GINKGO BILOBA 'AUTUMN GOLD'	1	45'	2" CAL.	B&B	24"	16"	-	36"	16"	NO	4	NO	48"
COMMON HACKBERRY	CELTIS OCCIDENTALIS	1	50'	2" CAL.	B&B	24"	16"	-	36"	16"	NO	4	NO	48"
ESPRESSO KENTUCKY COFFEETREE	GYMNOCLADUS DIOICUS 'ESPRESSO'	1	50'	2" CAL.	B&B	24"	16"	-	36"	16"	NO	4	NO	48"
REGAL ELM	ULMUS 'REGAL'	1	55'	2" CAL.	B&B	24"	16"	-	36"	16"	NO	4	NO	48"
REDMOND LINDEN	TILIA AMERICANA 'REDMOND'	1	55'	2" CAL.	B&B	24"	16"	-	36"	16"	NO	4	NO	48"
RED MAPLE	ACER RUBRUM	1	55'	2" CAL.	B&B	24"	16"	-	36"	16"	NO	4	NO	48"
SKYLINE HONEYLOCUST	GLEDTISIA TRIACANTHOS F. INERMIS 'SKYCOLE SKYLINE'	1	50'	2" CAL.	B&B	24"	16"	-	36"	16"	NO	4	NO	48"
SWAMP WHITE OAK	QUERCUS BICOLOR	1	55'	2" CAL.	B&B	24"	16"	-	36"	16"	NO	4	NO	48"
ORNAMENTAL TREES														
AUTUMN BRILLIANCE SERVICEBERRY	AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE'	3	20'	1 1/2" CAL.	B&B	16"	12"	-	28"	12"	NO	3	NO	40"
COLORADO BLUE SPRUCE	PICEA PUNGENS	6	50'	6' HT.	B&B	14"	11"	-	26"	11"	NO	2	NO	BED
SCHUBERT CHOKECHERRY	PRUNUS VIRGINIANA 'SCHUBERT'	3	25'	1 1/2" CAL.	B&B	16"	12"	-	28"	12"	NO	3	NO	40"
CRUSADER THORNLESS COCKSPUR HAW	CRATAEGUS CRUS-GALLI 'CRUZAM' CRUSADER™	3	25'	1 1/2" CAL.	B&B	16"	12"	-	28"	12"	NO	3	NO	40"
SPRING SNOW CRABAPPLE	MALUS 'SPRING SNOW'	3	20'	1 1/2" CAL.	B&B	16"	12"	-	28"	12"	NO	3	NO	40"
SHRUBS, GRASSES, & PERENNIALS														
PLUMOSA CREEPING JUNIPER	JUNIPERUS HORIZONTALIS 'PLUMOSA'	2	1'	6" HT.	CG	-	-	-	-	-	NO	2	NO	BED
STAGHORN SUMAC	RHUS TYPHINA	3	15'	2' HT.	CG	-	-	-	-	-	NO	2	NO	24"
WALKER'S LOW BLUE CATMINT	NEPETA RACEMOSA 'WALKER'S LOW'	-	2'	SP4	CG	-	-	-	-	-	NO	-	-	BED



2

NOTES
MANITOWOC PUBLIC UTILITIES DISTRIBUTION OPERATIONS DEPARTMENT SHALL APPROVE FINAL LOCATIONS FOR ALL CONCRETE BASES IN THE FIELD PRIOR TO CONSTRUCTION. CONTACT MPU 3 DAYS IN ADVANCE AT (920) 683-4600.

PULL BOXES SHALL BE INSTALLED FLUSH TO GRADE ± 1" AND BE PLACED AT LEAST 3' BEHIND CURB AND GUTTER.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION SHALL ONLY BE ACCEPTED WITH THE WRITTEN APPROVAL OF THE ENGINEER.

LIGHTING PLAN LEGEND

- STATION OFFSET
- STA 154+00EB, 12'LT
8-75-37-(1-13)
- MAST ARM LENGTH LIGHT UNIT NUMBER
- BASE TYPE POLE HEIGHT
- ✱ TWIN ARM LIGHTING UNIT ON CONCRETE BASE
- ✱ SINGLE ARM LIGHTING UNIT ON CONCRETE BASE
- PULL BOX
- LIGHTING CONDUIT (REFER TO PLANS AND MISCELLANEOUS QUANTITIES FOR SIZE, TYPE AND WIRING)

STUB TO STA.
131+75 AND PLUG

2" SCH 40 PVC CONDUIT
STA 132+14EB, 19.5'LT

BEGIN PROJECT 1500-37-74
STA. 131+75.00

- NOTES:**
1. MAKE MINOR ADJUSTMENTS TO TREE LOCATIONS TO AVOID OBSTACLES.
2. TREE PLACEMENT GUIDELINE:
A. 30' FROM ANY STREET CORNER
B. 10' FROM A DRIVEWAY
C. 10' FROM A GAS/WATER VALVE
D. 40' FROM A STREET LIGHT OR UTILITY POLE
E. 10' FROM A FIRE HYDRANT

PLANT LIST

Symbol	Common Name	Quantity on sheet
LARGE TREES		
GI	Autumn Gold ginkgo	
HA	Common hackberry	
KC	Espresso Kentucky coffeetree	
RE	Regal elm	
RM	Red maple	
RL	Redmond linden	
SH	Skyline honeylocust	1
WO	Swamp white oak	

SMALL TREES

AS	Autumn Brilliance serviceberry	
BS	Colorado blue spruce	
CH	Schubert Chokecherry	
CO	Crusader thornless cockspur hawthorn	2
SS	Spring Snow crabapple	

SHRUBS, GRASSES, & PERENNIALS

CJ	Plumosa creeping juniper	
St	Staghorn sumac	
Wl	Walker's Low blue catmint	

PROJECT NO: 1500-37-74

HWY: USH 10

COUNTY: MANITOWOC

LIGHTING AND LANDSCAPING

SHEET

128

FILE NAME: N:\C30\41062900\SHETSPLAN\1500_37_71_023511_LP (2019).DWG

PLOT DATE: 1/5/2019 8:57 AM

PLOT BY: SOLFAL, KEVIN

PLOT NAME:

PLOT SCALE: 1in=40 ft..REF

WISDOT/CADD SHEET

PROJECT NAME: N:

LIGHTING PLAN LEGEND

Diagram illustrating the components of a station code:

- STATION**: Points to the first part of the code (8-75-37).
- OFFSET**: Points to the second part of the code (4-15).
- STA 154+00EB, 12'L**: The full station code.
- MAST ARM LENGTH**: Points to the number 154.
- BASE TYPE**: Points to the letter E.
- LIGHT UNIT NUMBER**: Points to the number 12.
- POLE HEIGHT**: Points to the letter L.

 TWIN ARM LIGHTING UNIT ON CONCRETE BASE
 SINGLE ARM LIGHTING UNIT ON CONCRETE BASE
 PULL BOX
 LIGHTING CONDUIT (REFER TO PLANS AND
 MISCELLANEOUS QUANTITIES FOR SIZE, TYPE AND WIRING)
STA 137+29EB, 19.5' LT

NOTES

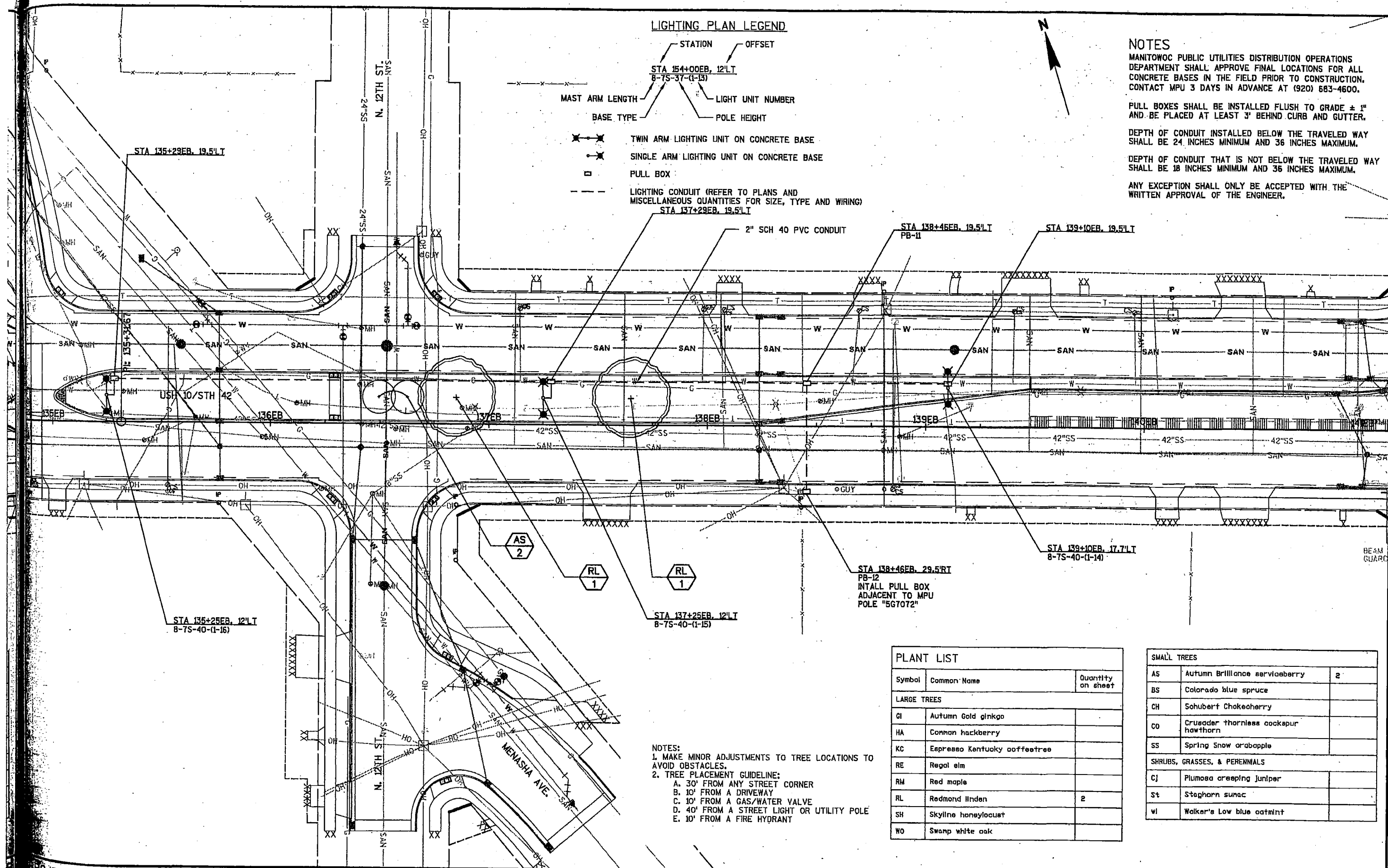
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DEPARTMENT SHALL APPROVE FINAL LOCATIONS FOR ALL
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CONTACT MPU 3 DAYS IN ADVANCE AT (920) 683-4600.

PULL BOXES SHALL BE INSTALLED FLUSH TO GRADE $\pm 1"$
AND BE PLACED AT LEAST 3' BEHIND CURB AND GUTTER.

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STA 13B+46EB. 29.5'RT
PB-12
INTALL PULL BOX
ADJACENT TO MPU
POLE "5G7072"

PLANT LIST

Symbol	Common Name	Quantity on sheet
LARGE TREES		
GI	Autumn Gold ginkgo	
HA	Common hackberry	
KC	Espresso Kentucky coffeetree	
RE	Regal elm	
RM	Red maple	
RL	Redmond linden	2
SH	Skyline honeylocust	
WO	Swamp white oak	

SMALL TREES

AS	Autumn Brilliance serviceberry	2
BS	Colorado blue spruce	
CH	Schubert chokecherry	
CO	Crusader thornless cockspur hawthorn	
SS	Spring Snow crabapple	
SHRUBS, GRASSES, & PERENNIALS		
CJ	Plumosa creeping juniper	
St	Staghorn sumac	
Wl	Walker's Low blue oatmint	

NOTES:
1. MAKE MINOR ADJUSTMENTS TO TREE LOCATIONS TO AVOID OBSTACLES.
2. TREE PLACEMENT GUIDELINE:
A. 30' FROM ANY STREET CORNER
B. 10' FROM A DRIVEWAY
C. 10' FROM A GAS/WATER VALVE
D. 40' FROM A STREET LIGHT OR UTILITY POLE
E. 10' FROM A FIRE HYDRANT

NOTES

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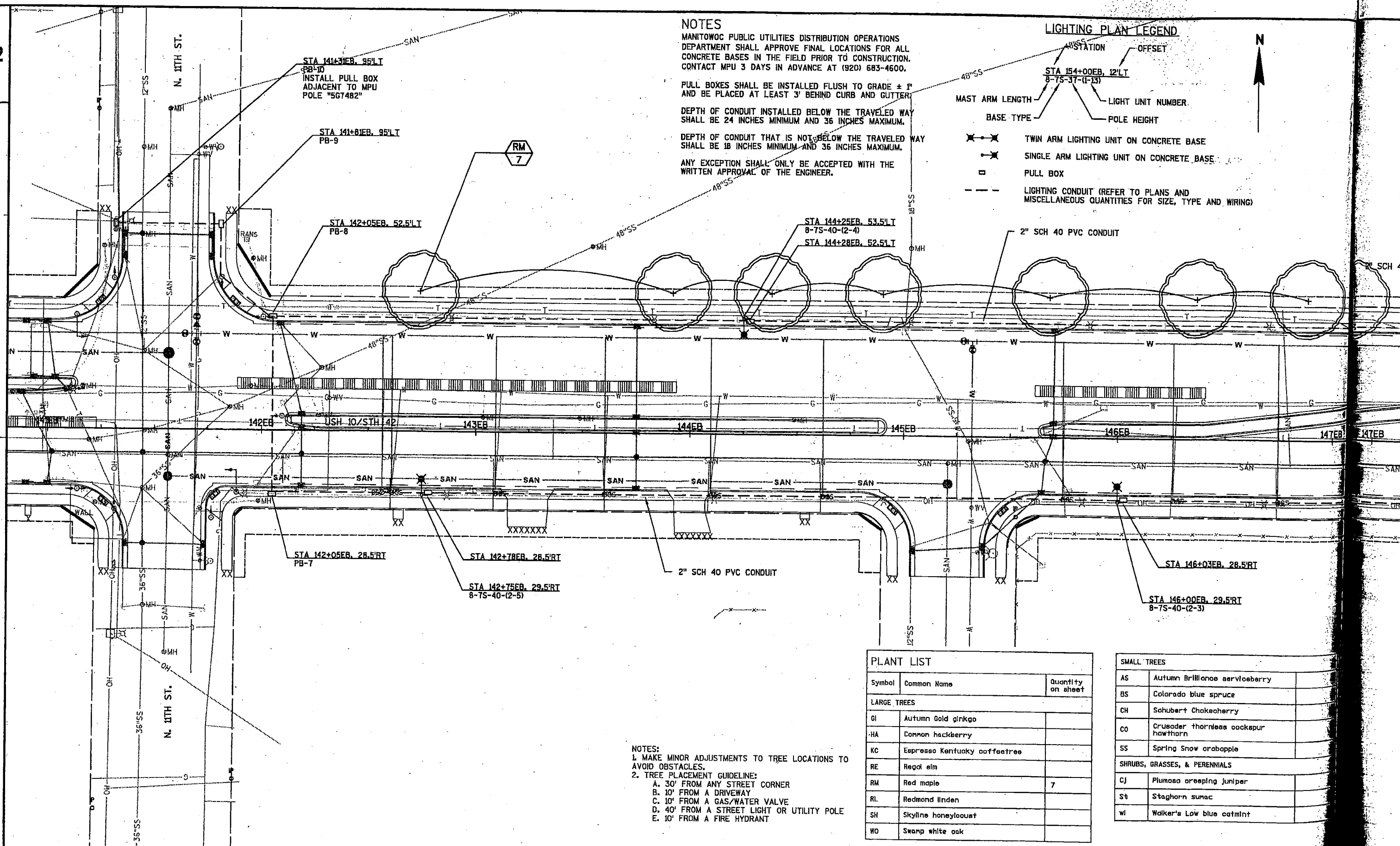
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LIGHTING PLAN LEGEND

- 48"SS
- STATION
- OFFSET
- STA 154+00EB, 12'LT
- 8-75-37-(1-13)
- MAST ARM LENGTH
- BASE TYPE
- LIGHT UNIT NUMBER
- POLE HEIGHT
- TWIN ARM LIGHTING UNIT ON CONCRETE BASE
- SINGLE ARM LIGHTING UNIT ON CONCRETE BASE
- PULL BOX
- — — LIGHTING CONDUIT (REFER TO PLANS AND MISCELLANEOUS QUANTITIES FOR SIZE, TYPE AND WIRING)



PLANT LIST

Symbol	Common Name	Quantity on sheet
LARGE TREES		
GI	Autumn Gold ginkgo	
HA	Common hackberry	
KC	Espresso Kentucky coffeetree	
RE	Regal elm	
RM	Red maple	7
RL	Redmond linden	
SH	Skyline honeylocust	
WO	Swamp white oak	

SMALL TREES

AS	Autumn Brilliance serviceberry	
BS	Colorado blue spruce	
CH	Schubert Chokeberry	
CO	Crusader thornless cockspur hawthorn	
SS	Spring Snow orabapple	
SHRUBS, GRASSES, & PERENNIALS		
CJ	Plumosa creeping juniper	
St	Staghorn sumac	
Wl	Walker's Low blue catmint	

- NOTES:
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 2. TREE PLACEMENT GUIDELINE:
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 - C. 10' FROM A GAS/WATER VALVE
 - D. 40' FROM A STREET LIGHT OR UTILITY POLE
 - E. 10' FROM A FIRE HYDRANT

PROJECT NO:1500-37-74

HWY: USH 10

COUNTY: MANITOWOC

LIGHTING AND LANDSCAPING PLAN

SHEET

130

JECT

FILE NAME : N:\C3D\41062900\SHEETSP\AN\1500_37_71_023513_LP.DWG

PLOT DATE : 12/31/2018 10:26 AM

PLOT BY : SOUFAL, KEVIN

PLOT NAME :

PLOT SCALE : 1in:40 ft_XREF

WISDOT/CAPPS \$

NAME : N:\C

NOTES

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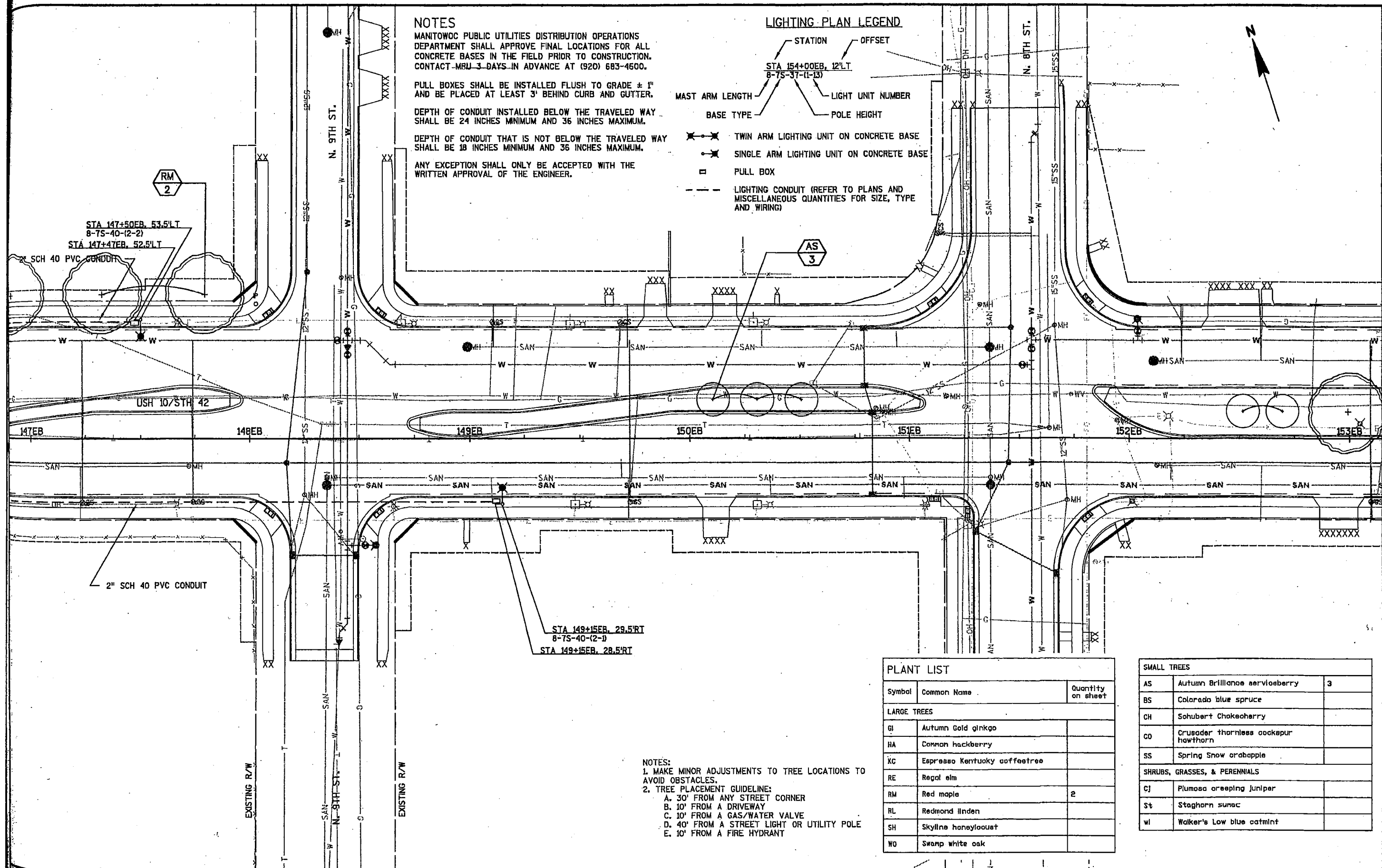
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LIGHTING PLAN LEGEND

- STATION
STA 154+00EB, 12'LT
8-75-37-(1-13)
- OFFSET
- MAST ARM LENGTH
- BASE TYPE
- LIGHT UNIT NUMBER
- POLE HEIGHT
- TWIN ARM LIGHTING UNIT ON CONCRETE BASE
- SINGLE ARM LIGHTING UNIT ON CONCRETE BASE
- PULL BOX
- LIGHTING CONDUIT (REFER TO PLANS AND MISCELLANEOUS QUANTITIES FOR SIZE, TYPE AND WIRING)



PLANT LIST

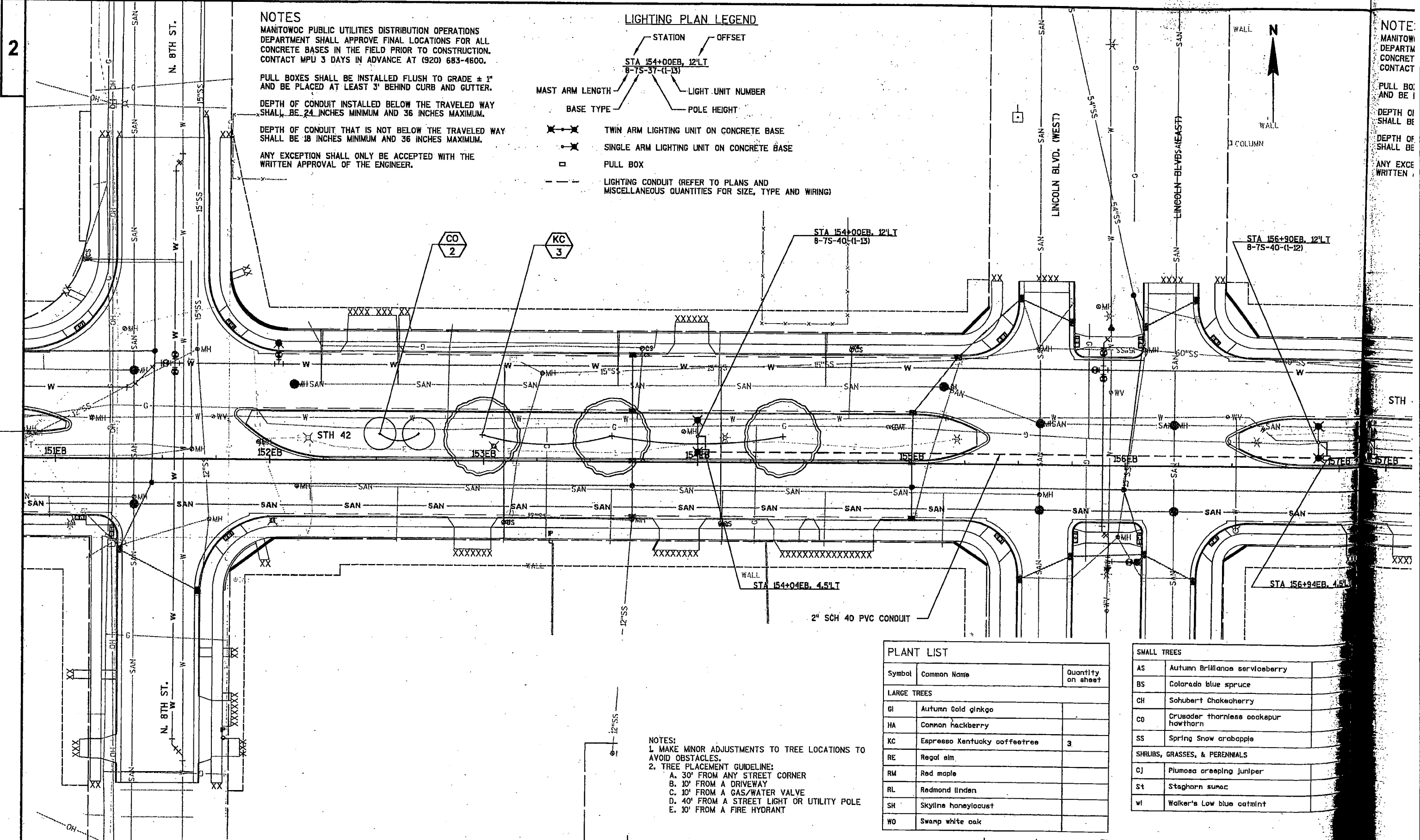
Symbol	Common Name	Quantity on sheet
LARGE TREES		
GI	Autumn Gold ginkgo	
HA	Common hackberry	
XC	Espresso Kentucky coffeetree	
RE	Regal elm	
RM	Red maple	2
RL	Redmond linden	
SH	Skyline honeylocust	
WO	Swamp white oak	

SMALL TREES

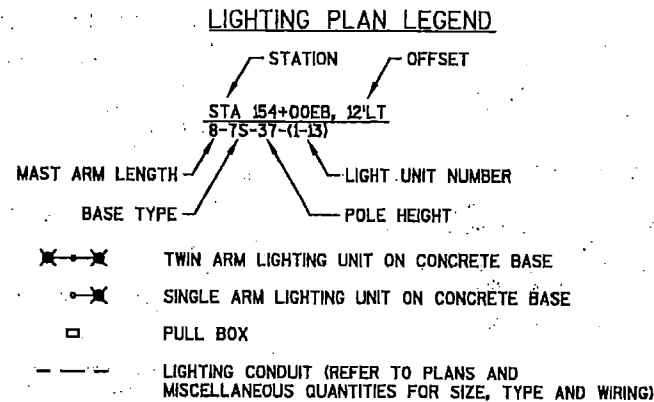
AS	Autumn Brilliance serviceberry	3
BS	Colorado blue spruce	
CH	Schubert Chokecherry	
CO	Crusader thornless cockspur hawthorn	
SS	Spring Snow crabapple	
SHRUBS, GRASSES, & PERENNIALS		
CJ	Plumosa creeping juniper	
St	Staghorn sumac	
Wl	Walker's Low blue catmint	

NOTES:

- MAKE MINOR ADJUSTMENTS TO TREE LOCATIONS TO AVOID OBSTACLES.
- TREE PLACEMENT GUIDELINE:
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NOTES
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NOTE
MANITOWOC DEPARTMENT CONCRETE CONTACT
PULL BOX AND BE 1
DEPTH OF SHALL BE
DEPTH OF SHALL BE
ANY EXCE WRITTEN

- NOTES:**
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SH	Skyline honeylocust	
WO	Swamp white oak	

SMALL TREES	
AS	Autumn Brilliance serviceberry
BS	Colorado blue spruce
CH	Schubert Chokecherry
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SHRUBS, GRASSES, & PERENNIALS	
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STATION OFFSET

STA 154+00EB, 12'LT
8-75-37-(1-13)

MAST ARM LENGTH LIGHT UNIT NUMBER

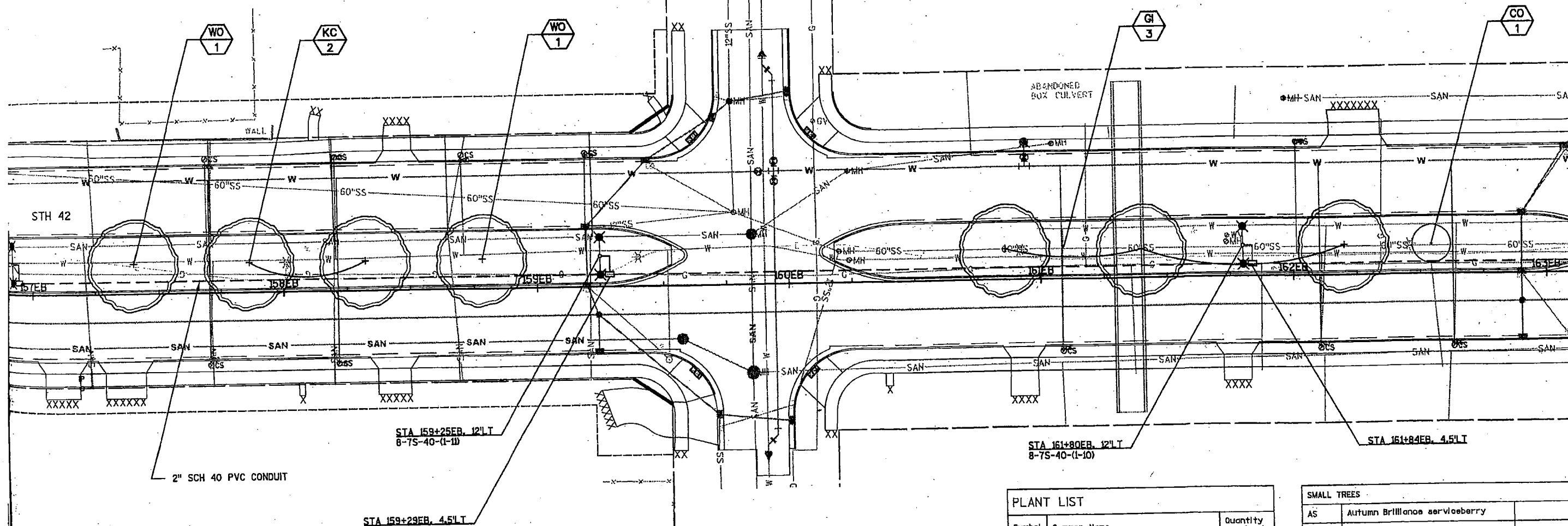
BASE TYPE POLE HEIGHT

✕—✕ TWIN ARM LIGHTING UNIT ON CONCRETE BASE

—✕ SINGLE ARM LIGHTING UNIT ON CONCRETE BASE

□ FULL BOX

— — — LIGHTING CONDUIT (REFER TO PLANS AND
MISCELLANEOUS QUANTITIES FOR SIZE, TYPE AND WIRING)



NOTES:

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PLANT LIST		
Symbol	Common Name	Quantity on sheet
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RE	Regal elm	
RM	Red maple	
RL	Redmond linden	
SH	Skyline honeylocust	
WO	Swamp white oak	2

SMALL TREES		
AS	Autumn Brilliance serviceberry	
BS	Colorado blue spruce	
CH	Schubert Chokecherry	
CO	Crusader thornless cockspur hawthorn	
SS	Spring Snow crabapple	1
SHRUBS, GRASSES, & PERENNIALS		
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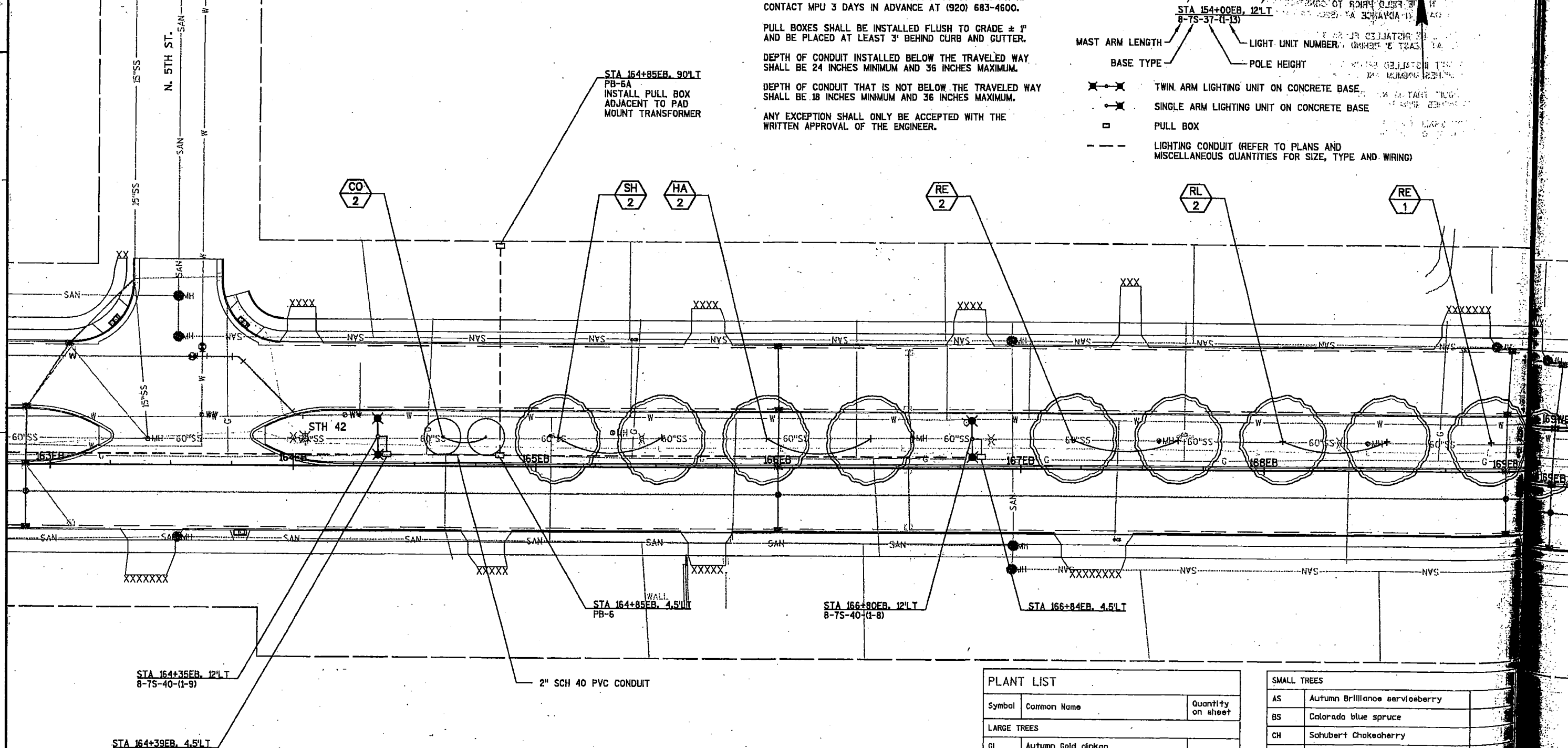
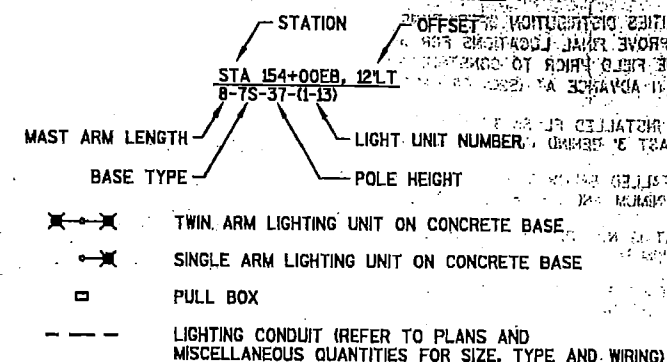
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LIGHTING PLAN LEGEND



PLANT LIST

Symbol	Common Name	Quantity on sheet
LARGE TREES		
GI	Autumn Gold ginkgo	
HA	Common hackberry	2
KC	Espresso Kentucky coffeetree	
RE	Regal elm	3
RM	Red maple	
RL	Redmond linden	2
SH	Skyline honeylocust	2
WO	Swamp white oak	

SMALL TREES

AS	Autumn Brilliance serviceberry	
BS	Colorado blue spruce	
CH	Schubert chokecherry	
CB	Crusader thornless cockspur hawthorn	2
SS	Spring Snow crabapple	
SHRUBS, GRASSES, & PERENNIALS		
CJ	Plumosa creeping juniper	
St	Staghorn sumac	
WL	Walker's Low blue columbine	1

NOTES:
1. MAKE MINOR ADJUSTMENTS TO TREE LOCATIONS TO AVOID OBSTACLES.
2. TREE PLACEMENT GUIDELINE:
A. 30' FROM ANY STREET CORNER
B. 10' FROM A DRIVEWAY
C. 10' FROM A GAS/WATER VALVE
D. 40' FROM A STREET LIGHT OR UTILITY POLE
E. 10' FROM A FIRE HYDRANT

NOTES

MANITOWOC PUBLIC UTILITIES DISTRIBUTION OPERATIONS DEPARTMENT SHALL APPROVE FINAL LOCATIONS FOR ALL CONCRETE BASES IN THE FIELD PRIOR TO CONSTRUCTION. CONTACT MPU 3 DAYS IN ADVANCE AT (920) 683-4600.

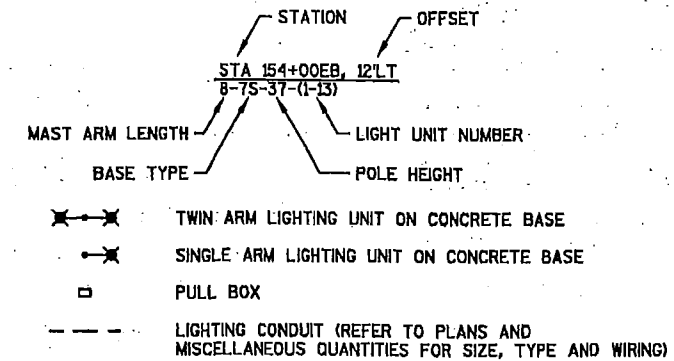
PULL BOXES SHALL BE INSTALLED FLUSH TO GRADE ± 1" AND BE PLACED AT LEAST 3' BEHIND CURB AND GUTTER.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

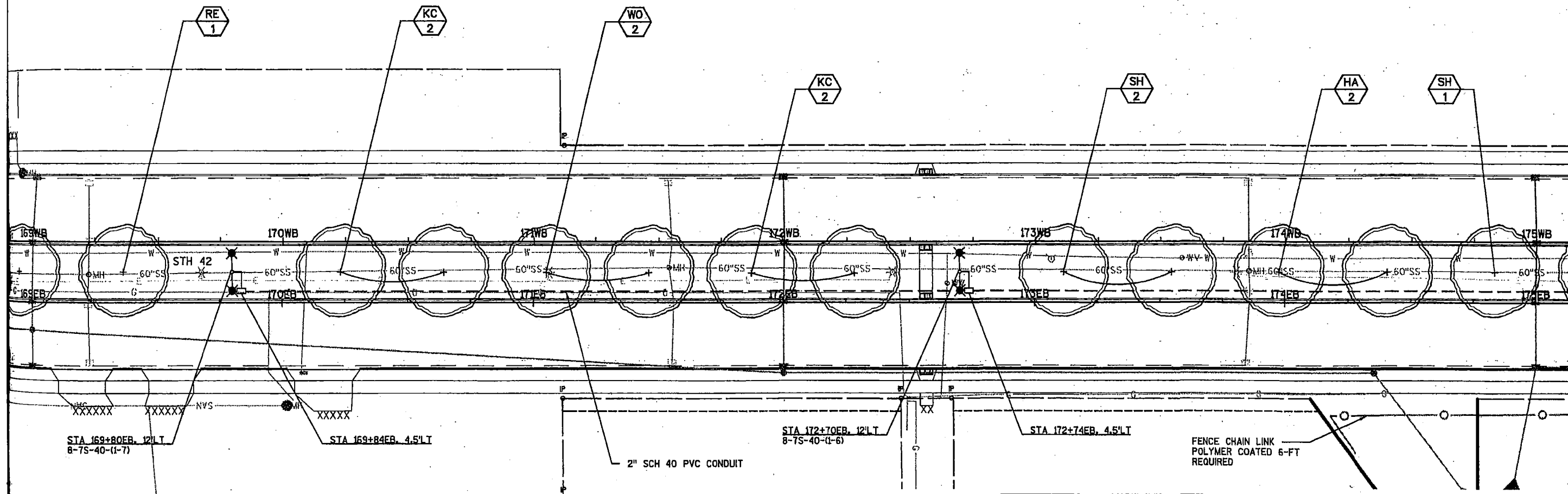
DEPTH OF CONDUIT THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION SHALL ONLY BE ACCEPTED WITH THE WRITTEN APPROVAL OF THE ENGINEER.

LIGHTING PLAN LEGEND



2



- NOTES:
1. MAKE MINOR ADJUSTMENTS TO TREE LOCATIONS TO AVOID OBSTACLES.
 2. TREE PLACEMENT GUIDELINE:
 - A. 30' FROM ANY STREET CORNER
 - B. 10' FROM A DRIVEWAY
 - C. 10' FROM A GAS/WATER VALVE
 - D. 40' FROM A STREET LIGHT OR UTILITY POLE
 - E. 10' FROM A FIRE HYDRANT

PLANT LIST		
Symbol	Common Name	Quantity on sheet
LARGE TREES		
GI	Autumn Gold ginkgo	
HA	Common hackberry	2
KC	Espresso Kentucky coffeetree	4
RE	Regal elm	1
RM	Red maple	
RL	Redmond linden	
SH	Skyline honeylocust	3
WO	Swamp white oak	2

SMALL TREES		
AS	Autumn Brilliance serviceberry	
BS	Colorado blue spruce	
CH	Schubert Chokecherry	
CO	Crusader thornless cockspur hawthorn	
SS	Spring Snow crabapple	
SHRUBS, GRASSES, & PERENNIALS		
CJ	Plumosa creeping juniper	
St	Staghorn sumac	
WL	Walker's Low blue oatmint	

PROJECT NO: 4570-12-71

HWY: STH 42

COUNTY: MANITOWOC

LIGHTING AND LANDSCAPING PLAN

SHEET

135

E

FILE NAME : N:\C3D\41062900\SHETSPLAN\4570_12_71_023504 LP.DWG

PLOT DATE : 7/20/2018 8:42 AM

PLOT BY : SOULFAL, KEVIN

PLOT NAME :

PLOT SCALE : 1" = 40'-XREF

WISDOT/CADDs SHEET 42

NOTES

MANITOWOC PUBLIC UTILITIES DISTRIBUTION OPERATIONS DEPARTMENT SHALL APPROVE FINAL LOCATIONS FOR ALL CONCRETE BASES IN THE FIELD PRIOR TO CONSTRUCTION. CONTACT MPU 3 DAYS IN ADVANCE AT (920) 683-4600.

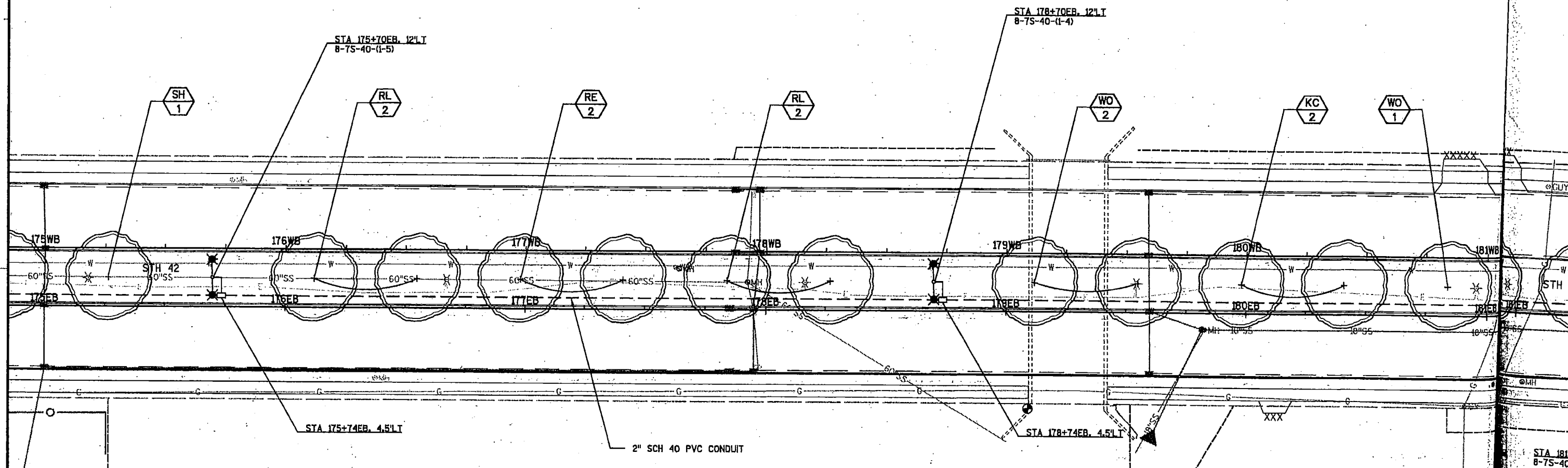
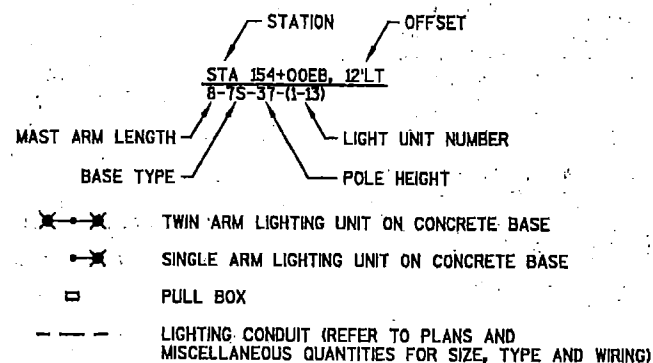
PULL BOXES SHALL BE INSTALLED FLUSH TO GRADE $\pm 1"$ AND BE PLACED AT LEAST 3' BEHIND CURB AND GUTTER.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION SHALL ONLY BE ACCEPTED WITH THE WRITTEN APPROVAL OF THE ENGINEER.

LIGHTING PLAN LEGEND



- NOTES:
1. MAKE MINOR ADJUSTMENTS TO TREE LOCATIONS TO AVOID OBSTACLES.
 2. TREE PLACEMENT GUIDELINE:
 - A. 30' FROM ANY STREET CORNER
 - B. 10' FROM A DRIVEWAY
 - C. 10' FROM A GAS/WATER VALVE
 - D. 40' FROM A STREET LIGHT OR UTILITY POLE
 - E. 10' FROM A FIRE HYDRANT

PLANT LIST

Symbol	Common Name	Quantity on sheet
LARGE TREES		
GI	Autumn Gold ginkgo	
HA	Common hackberry	
KC	Espresso Kentucky coffeetree	2
RE	Regal elm	2
RM	Red maple	
RL	Redmond linden	4
SH	Skyline honeylocust	1
WO	Swamp white oak	3

SMALL TREES

AS	Autumn Brilliance serviceberry	
BS	Colorado blue spruce	
CH	Schubert Chokecherry	
CO	Crusader thornless cockspur hawthorn	
SS	Spring Snow crabapple	
SHRUBS, GRASSES, & PERENNIALS		
CJ	Plumosa creeping juniper	
St	Staghorn sumac	
Wl	Walker's Low blue oatmint	

PROJECT NO: 4570-12-71

HWY: STH 42

COUNTY: MANITOWOC

LIGHTING AND LANDSCAPING PLAN

SHEET

PROJECT NO: 4

FILE NAME : N:\C3D\41062900\SHEETS\PLAN\4570_12_71_023505 LP.DWG

PLOT DATE : 7/20/2018 8:45 AM

PLOT BY : SOUFAL, KEVIN

PLOT NAME :

PLOT SCALE : 1" = 40' XREF

WISDOT/CADDs SHEET NO: 136

NOTES

MANITOWOC PUBLIC UTILITIES DISTRIBUTION OPERATIONS DEPARTMENT SHALL APPROVE FINAL LOCATIONS FOR ALL CONCRETE BASES IN THE FIELD PRIOR TO CONSTRUCTION. CONTACT MPU 3 DAYS IN ADVANCE AT (920) 683-4600.

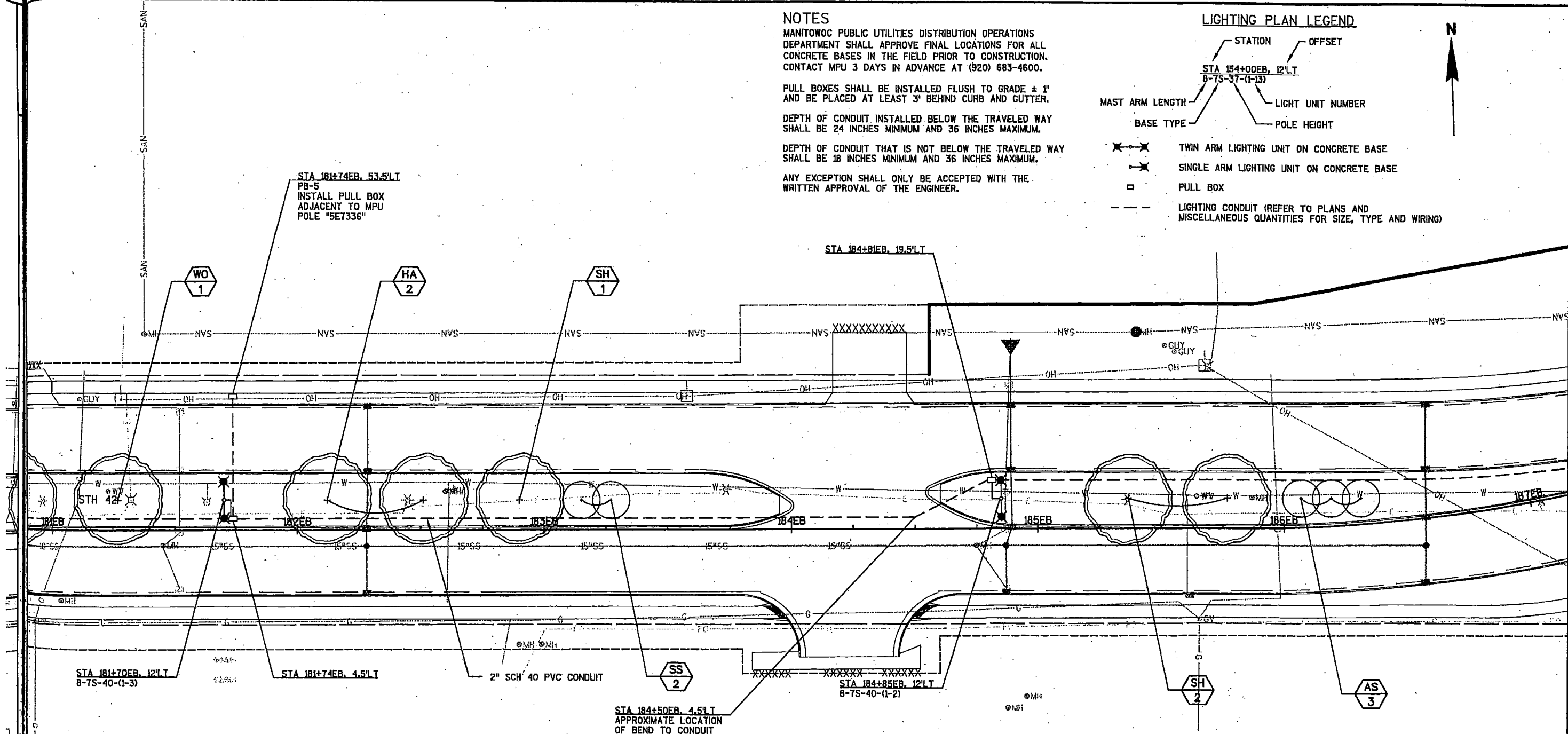
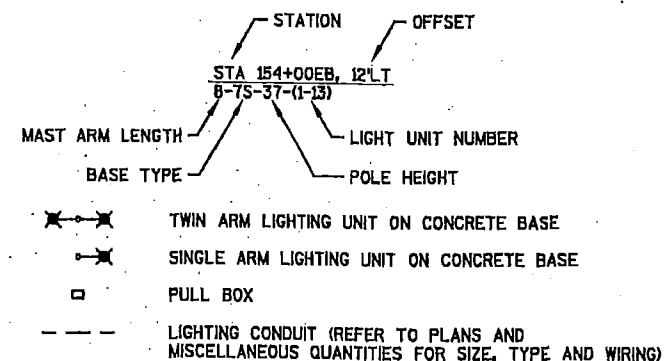
PULL BOXES SHALL BE INSTALLED FLUSH TO GRADE $\pm$ 1" AND BE PLACED AT LEAST 3' BEHIND CURB AND GUTTER.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION SHALL ONLY BE ACCEPTED WITH THE WRITTEN APPROVAL OF THE ENGINEER.

LIGHTING PLAN LEGEND



- NOTES:
1. MAKE MINOR ADJUSTMENTS TO TREE LOCATIONS TO AVOID OBSTACLES.
 2. TREE PLACEMENT GUIDELINE:
 - A. 30' FROM ANY STREET CORNER
 - B. 10' FROM A DRIVEWAY
 - C. 10' FROM A GAS/WATER VALVE
 - D. 40' FROM A STREET LIGHT OR UTILITY POLE
 - E. 10' FROM A FIRE HYDRANT

PLANT LIST

Symbol	Common Name	Quantity on sheet
LARGE TREES		
GI	Autumn Gold ginkgo	
HA	Common hackberry	2
KC	Espresso Kentucky coffeetree	
RE	Regal elm	
RM	Red maple	
RL	Redmond linden	
SH	Skyline honeylocust	3
WO	Swamp white oak	1

SMALL TREES

AS	Autumn Brilliance serviceberry	3
BS	Colorado blue spruce	
CH	Schubert chokecherry	
CO	Crusader thornless cockspur hawthorn	
SS	Spring Snow crabapple	2
SHRUBS, GRASSES, & PERENNIALS		
CJ	Plumosa creeping juniper	
St	Staghorn sumac	
Wl	Walker's Low blue columbine	

PROJECT NO: 4570-12-71

HWY: STH 42

COUNTY: MANITOWOC

LIGHTING AND LANDSCAPING PLAN

SHEET

137

E

FILE NAME: N:\C3D\41062900\SHEETS\PLAN\4570_12_71_023506 LP.DWG

PLOT DATE: 7/20/2018 8:48 AM

PLOT BY: SOUFAL, KEVIN

PLOT NAME:

PLOT SCALE: 1" = 40' XREF

WISDOT/CADD: SHEET 42

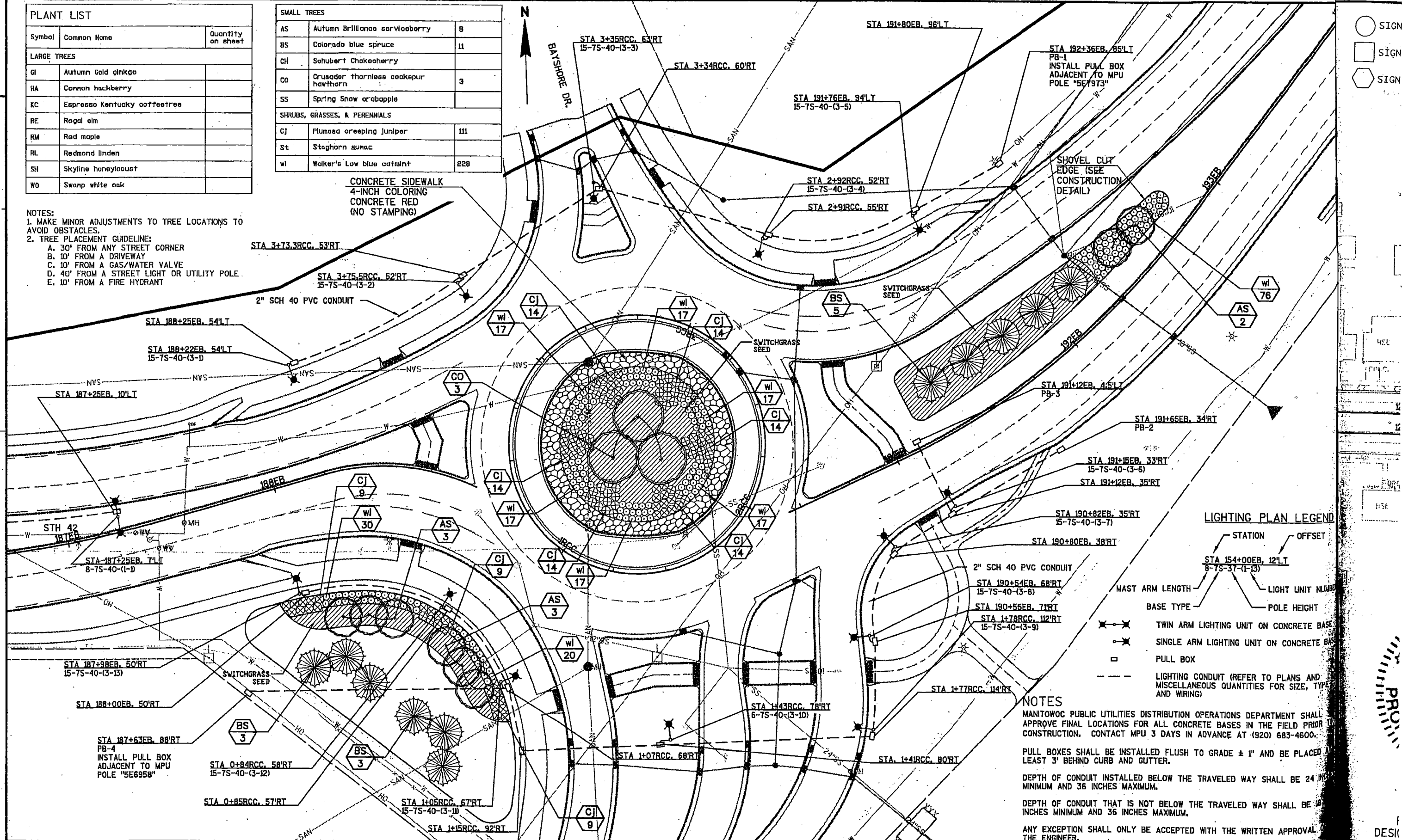
2

PLANT LIST		
Symbol	Common Name	Quantity on sheet
LARGE TREES		
GI	Autumn Gold ginkgo	
HA	Common hackberry	
KC	Espresso Kentucky coffeetree	
RE	Regal elm	
RM	Red maple	
RL	Redmond linden	
SH	Skyline honeylocust	
WO	Swamp white oak	

SMALL TREES		
AS	Autumn Brilliance serviceberry	8
BS	Colorado blue spruce	11
CH	Schubert chokecherry	
CO	Crusader thornless cockspur hawthorn	3
SS	Spring Snow crabapple	
SHRUBS, GRASSES, & PERENNIALS		
CJ	Plumosa creeping juniper	111
St	Staghorn sumac	
wl	Walker's Low blue catmint	228

NOTES:

1. MAKE MINOR ADJUSTMENTS TO TREE LOCATIONS TO AVOID OBSTACLES.
2. TREE PLACEMENT GUIDELINE:
 - A. 30' FROM ANY STREET CORNER
 - B. 10' FROM A DRIVEWAY
 - C. 10' FROM A GAS/WATER VALVE
 - D. 40' FROM A STREET LIGHT OR UTILITY POLE.
 - E. 10' FROM A FIRE HYDRANT



NOTES

MANITOWOC PUBLIC UTILITIES DISTRIBUTION OPERATIONS DEPARTMENT SHALL APPROVE FINAL LOCATIONS FOR ALL CONCRETE BASES IN THE FIELD PRIOR CONSTRUCTION. CONTACT MPU 3 DAYS IN ADVANCE AT (920) 683-4600.

PULL BOXES SHALL BE INSTALLED FLUSH TO GRADE $\pm 1"$ AND BE PLACED
LEAST 3' BEHIND CURB AND GUTTER.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION SHALL ONLY BE ACCEPTED WITH THE WRITTEN APPROVAL OF THE ENGINEER.

PROJECT NO: 4570-12-71

HWY:STH 42

COUNTY: MANITOWOC

LIGHTING AND LANDSCAPING PLAN

SHEET

138

CT NO:

FILE NAME : N:\C3D\41062900\SHEETSP\AN\4570_12_71_023507_LP.DWG

PLOT DATE : 1/22/2019 7:03 AM

PLOT BY : SOLFAL, KEVIN

PLOT NAME :

PLOT SCALE : 1:40 XREF

WISDOT/CADDS SHEET: X:\PROJE