





# SITE DIMENSION PLAN

## PRIDE CONVENIENCE STORE

NO.	DATE	BY	REVISIONS
1	04.08.21	CDM	REVISED PER PLANNING AND ENGINEERING COMMENTS RECEIVED 04.04.21
2	04.09.21	CDM	REVISED PER DRAINAGE COMMENTS RECEIVED 04.01.21
3		CDM	
4		CDM	
5		CDM	
6		CDM	
7		CDM	
8		CDM	
9		CDM	

### SITE DIMENSION LEGEND

- (A) MULCH SEEDING/LANDSCAPE AREAS
- (B) STRUCTURE FOUNDATION - PER BUILDING PLANS
- (C) STRAIGHT CONCRETE CURB (SEE McCORDSVILLE SPECIFICATIONS)
- (D) COMBINED CURB AND GUTTER TURNOUT (SEE DETAIL-SHEET 900)
- (E) 4" CONCRETE SIDEWALK (SEE DETAIL-THIS SHEET)
- (F) MONOLITHIC CONCRETE CURB AND SIDEWALK (SEE DETAIL-THIS SHEET)
- (G) HANDICAP RAMP (SEE DETAIL-SHEET 900)
- (H) SIDEWALK DRIVEWAY CROSSING (SEE DETAIL-SHEET 900)
- (I) TYPICAL CONCRETE SECTION
- (J) 5" CONCRETE SLAB ON 6" COMPACTED AGGREGATE #53 TYPE '0' ON COMPACTED SUBGRADE (SEE DETAIL-SHEET 900)
- (K) TYPICAL HEAVY DUTY CONCRETE SECTION
- (L) 8" CLASS 'A' CONCRETE SLAB WITH FIBER REINFORCEMENT, ON 6" COMPACTED AGGREGATE #53, ON COMPACTED SUBGRADE (SEE DETAIL-SHEET 900)
- (M) CANOPY CONCRETE SECTION
- (N) 6" CLASS 'A' CONCRETE SLAB WITH FIBER REINFORCEMENT, ON 6" COMPACTED AGGREGATE #53, ON COMPACTED SUBGRADE (SEE DETAIL-SHEET 900)
- (O) TRASH ENCLOSURE (SEE ARCHITECTURAL PLANS)
- (P) SAWCUT
- (Q) TYPICAL ASPHALT SECTION
- (R) 1.5" HMA SURFACE 9.5mm, ON 2.5" HMA INTERMEDIATE 19.0mm, ON 6" COMPACTED AGGREGATE #53, ON COMPACTED SUBGRADE (SEE DETAIL-SHEET 900)
- (S) CR 600 W ASPHALT SECTION
- (T) 1.5" HMA SURFACE 9.5mm, ON 2.5" HMA INTERMEDIATE 12.5mm, ON 4" HMA BASE 19.0mm, ON 6" HMA BASE 19.0mm, ON 4" COMPACTED AGGREGATE #53, ON LIME STABILIZED SUBGRADE (SEE McCORDSVILLE SPECIFICATIONS)
- (U) CR 900 N ASPHALT SECTION
- (V) 1" HMA SURFACE 9.5mm, ON 3" HMA INTERMEDIATE 19.0mm, ON 6" HMA BASE 25.0mm, ON 4" COMPACTED AGGREGATE #53, ON 4" COMPACTED AGGREGATE #2, ON LIME STABILIZED SUBGRADE (SEE McCORDSVILLE SPECIFICATIONS)
- (W) COLORED CONCRETE SECTION BY OTHERS
- (X) 6" CONCRETE SLAB ON 6" COMPACTED AGGREGATE #53 TYPE '0' ON COMPACTED SUBGRADE (SEE DETAIL-SHEET 900)
- (Y) BOLLARD (SEE DETAIL-SHEET 900)
- (Z) LINE, PAINTED, SOLID WHITE, 4"
- (AA) LINE, PAINTED, SOLID BLUE, 4"
- (AB) HANDICAP SYMBOL, PAINTED, SOLID BLUE, 4"
- (AC) SIGNAGE (SEE DETAIL-THIS SHEET)
- (AD) TURN ARROW, PAINTED, SOLID WHITE
- (AE) STOP BAR, PAINTED, SOLID WHITE, 24"
- (AF) STRAIGHT ARROW, PAINTED, SOLID WHITE
- (AG) WORD "DO NOT ENTER", PAINTED, SOLID WHITE
- (AH) LINE, THERMOPLASTIC, SOLID WHITE, CROSSWALK, 24 INCHES
- (AI) WORD "DRIVE THRU ONLY", PAINTED, SOLID WHITE

### SITE DIMENSION NOTES

- STREET SIGNAGE AND LIGHTING SHALL CONFORM TO TOWN OF McCORDSVILLE STANDARDS. CONTRACTOR SHALL COORDINATE WITH OWNER AND/OR TOWN OF McCORDSVILLE FOR LIGHT STYLES AND LAYOUT. SEE PHOTOMETRIC PLAN FOR DETAILS.
- CONTRACTOR SHALL COORDINATE WITH CITIZENS WATER COMPANY FOR PERMITTING, CONNECTION AND TESTING PROCEDURES AND REQUIREMENTS.
- CONTRACTOR SHALL NOTIFY ENGINEER, IF PROOF ROLL OF SUBGRADE FAILS, TO DETERMINE IF LIME STABILIZATION OF SUBGRADE IS NECESSARY.
- ALL RADIUS DIMENSIONS ARE TO THE FACE OF PROPOSED CURB.
- SIGNAGE SHALL INCLUDE ALL NECESSARY HARDWARE AND FITTINGS, INCLUDING TO FT. OF 11 GAUGE FLANGED CHANNEL SIGN POST.
- REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL SIGNAGE. VERIFY CONFLICTS WITH OWNER.
- CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TRAFFIC AND PROVIDING ALL NECESSARY FLAGMAN, BARRELS, SIGNAGE, ETC. DURING CONSTRUCTION. ALL APPLICABLE M.U.T.C.D. STANDARDS SHALL GOVERN THIS WORK.
- CONTRACTOR SHALL COORDINATE WITH APPLICABLE UTILITY COMPANY'S AND BUILDING PLANS FOR WATER, CABLE, ELECTRIC, GAS, AND TELEPHONE CONNECTION SERVICE POINTS.
- EXISTING UTILITY SIZE AND MATERIAL INFORMATION SHOWN ON THESE PLANS ARE PER THE BEST GRAPHICAL AND VISIBLE INFORMATION AVAILABLE. CONFLICTS MAY EXIST AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL SIZING AND MATERIAL INFORMATION PROVIDED. IF ACTUAL CONDITIONS DIFFER FROM THAT INFORMATION SHOWN ON THE PLANS, THE CONTRACTOR SHALL PRIOR TO THE INSTALLATION OF ANY PROPOSED INFRASTRUCTURE, NOTIFY THE DESIGN ENGINEER IMMEDIATELY.

### PEDESTRIAN SIGNAL NOTES

- INSTALL PEDESTRIAN PUSH BUTTON AND PEDESTRIAN CROSSING SIGNAL HEAD ON EXISTING POLE. PEDESTRIAN CROSSING SIGNALS PER TOWN OF McCORDSVILLE STANDARDS. RUN WIRING OVERHEAD ON EXISTING WIRING SYSTEM AS APPROVED BY TOWN ENGINEER.
- INSTALL PEDESTRIAN PEDESTAL AND TWO PEDESTRIAN SIGNAL HEADS FOR NORTH AND SOUTH CROSSING. PEDESTRIAN CROSSING SIGNALS PER TOWN OF McCORDSVILLE STANDARDS. RUN WIRING OVERHEAD ON EXISTING WIRING SYSTEM AS APPROVED BY TOWN ENGINEER.

NOTE:  
NO EARTHWORK, DISTURBING ACTIVITY  
MAY COMMENCE UNTIL A STORM WATER  
MANAGEMENT PERMIT IS OBTAINED.



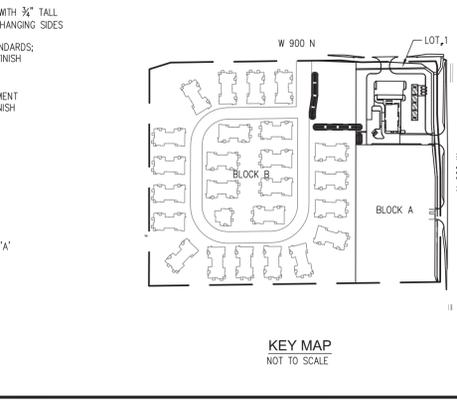
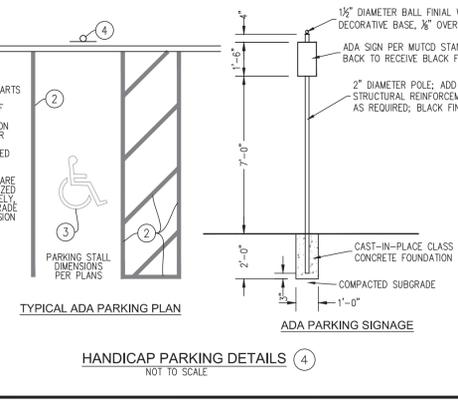
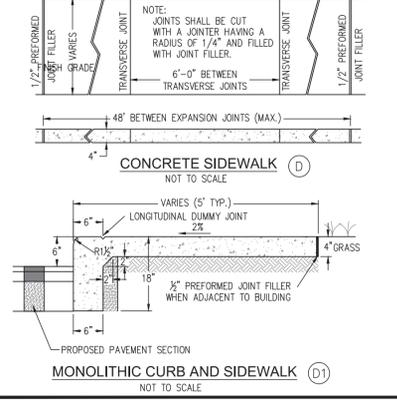
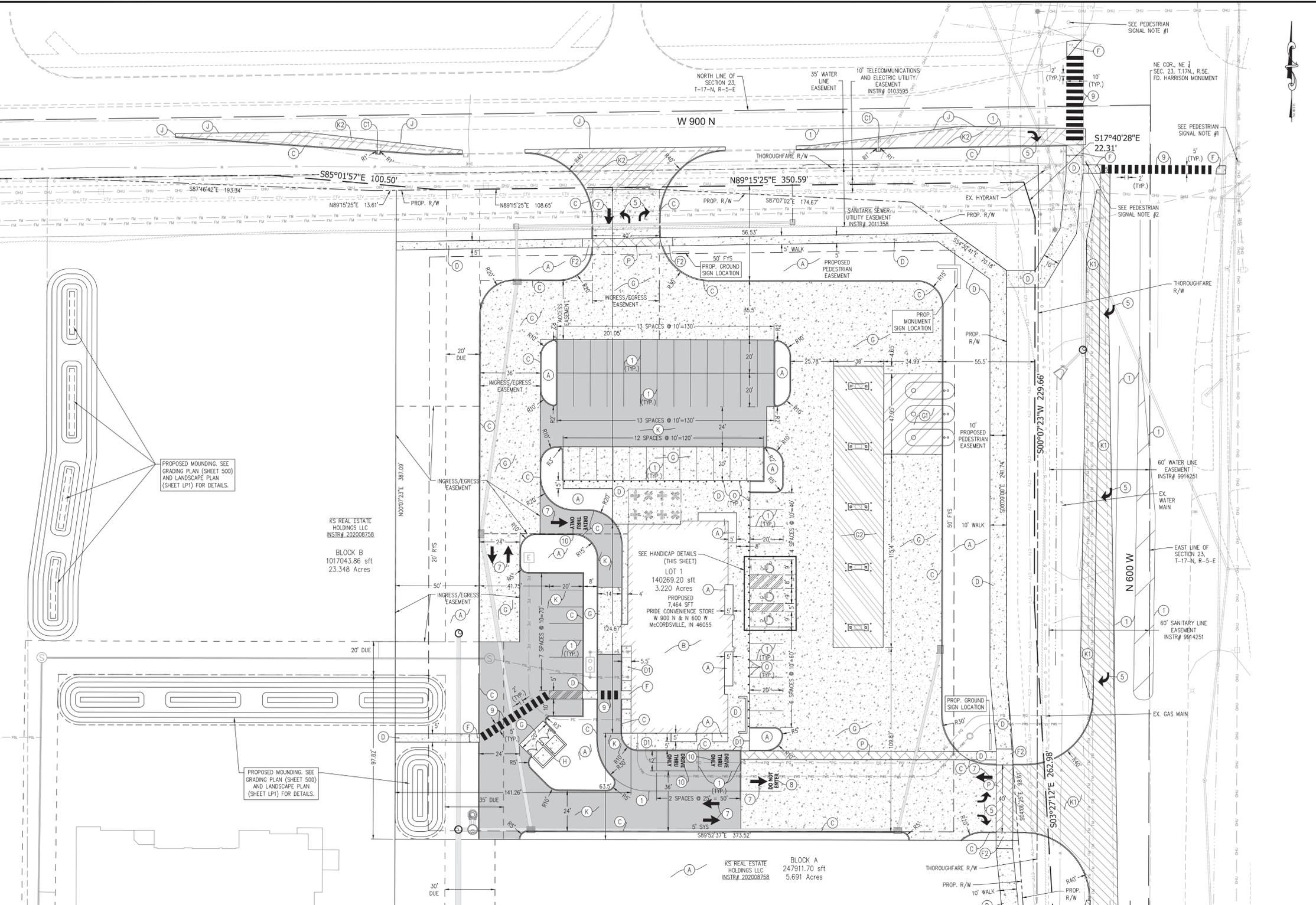
### ABBREVIATIONS

- FYS FRONT YARD SETBACK
- SYS SIDE YARD SETBACK
- DUE DRAINAGE & UTILITY EASEMENT
- R/W RIGHT-OF-WAY
- EX. EXISTING
- PROP. PROPOSED

### PARKING ANALYSIS

RETAIL MEDIUM	
GROSS FLOOR AREA	= 7460 SFT.
REQUIRED RATIO	= 1 SPCS/300 SFT.
MAX # OF EMPLOYEES	= 7 EMPLOYEES
REQUIRED RATIO	= 1 SPC./1 EMPLOYEE
TOTAL REQUIRED SPACES	= 32 SPACES
STANDARD PARKING SPACES	= 56 SPACES
HANDICAP ACCESSIBLE SPACES	= 3 SPACES
TOTAL PROPOSED PARKING SPACES	= 59 SPACES

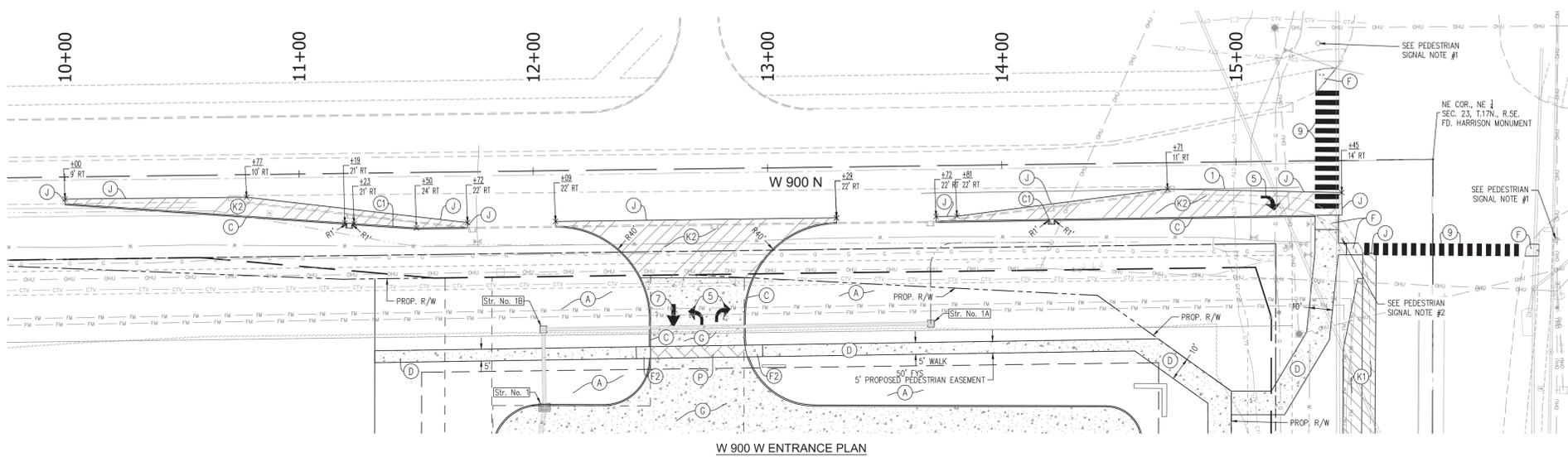
TOTAL LOT IMPERVIOUS SURFACE AREA = 65%



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### ENTRANCE LEGEND

- (A) MULCH SEEDING/LANDSCAPE AREAS
- (C) STRAIGHT CONCRETE CURB (SEE McCORDSVILLE SPECIFICATIONS)
- (D) COMBINED CURB AND GUTTER TURNOUT (SEE DETAIL-SHEET 900)
- (E) 4" CONCRETE SIDEWALK (SEE DETAIL-SHEET 300)
- (F) MONOLITHIC CONCRETE CURB AND SIDEWALK (SEE DETAIL-SHEET 300)
- (G) HANDICAP RAMP (SEE DETAIL-SHEET 900)
- (H) SIDEWALK DRIVEWAY CROSSING (SEE DETAIL-SHEET 900)
- (I) TYPICAL CONCRETE SECTION
- (J) 6" CONCRETE SLAB ON 6" COMPACTED AGGREGATE #53 TYPE 'O' ON COMPACTED SUBGRADE (SEE DETAIL-SHEET 900)
- (K) SAWCUT
- (L) OR 600 W ASPHALT SECTION
- (M) 1.5" HMA SURFACE 9.5mm, ON 2.5" HMA INTERMEDIATE 12.5mm, ON 4" HMA BASE 19.0mm, ON 6" HMA BASE 25.0mm, ON 4" COMPACTED AGGREGATE #53, ON 4" COMPACTED AGGREGATE #2, ON LIME STABILIZED SUBGRADE (SEE McCORDSVILLE SPECIFICATIONS)
- (N) OR 900 N ASPHALT SECTION
- (O) 1" HMA SURFACE 9.5mm, ON 3" HMA INTERMEDIATE 19.0mm, ON 6" HMA BASE 25.0mm, ON 4" COMPACTED AGGREGATE #53, ON 4" COMPACTED AGGREGATE #2, ON LIME STABILIZED SUBGRADE (SEE McCORDSVILLE SPECIFICATIONS)
- (P) COLORED CONCRETE SECTION BY OTHERS
- (Q) 6" CONCRETE SLAB ON 6" COMPACTED AGGREGATE #53 TYPE 'O' ON COMPACTED SUBGRADE (SEE DETAIL-SHEET 900)
- (1) LINE, PAINTED, SOLID WHITE, 4"
- (2) TURN ARROW, PAINTED, SOLID WHITE
- (3) STOP BAR, PAINTED, SOLID WHITE, 24"
- (4) STRAIGHT ARROW, PAINTED, SOLID WHITE
- (5) WORD "DO NOT ENTER", PAINTED, SOLID WHITE
- (6) LINE, THERMOPLASTIC, SOLID WHITE, CROSSWALK, 24 INCHES

### ABBREVIATIONS

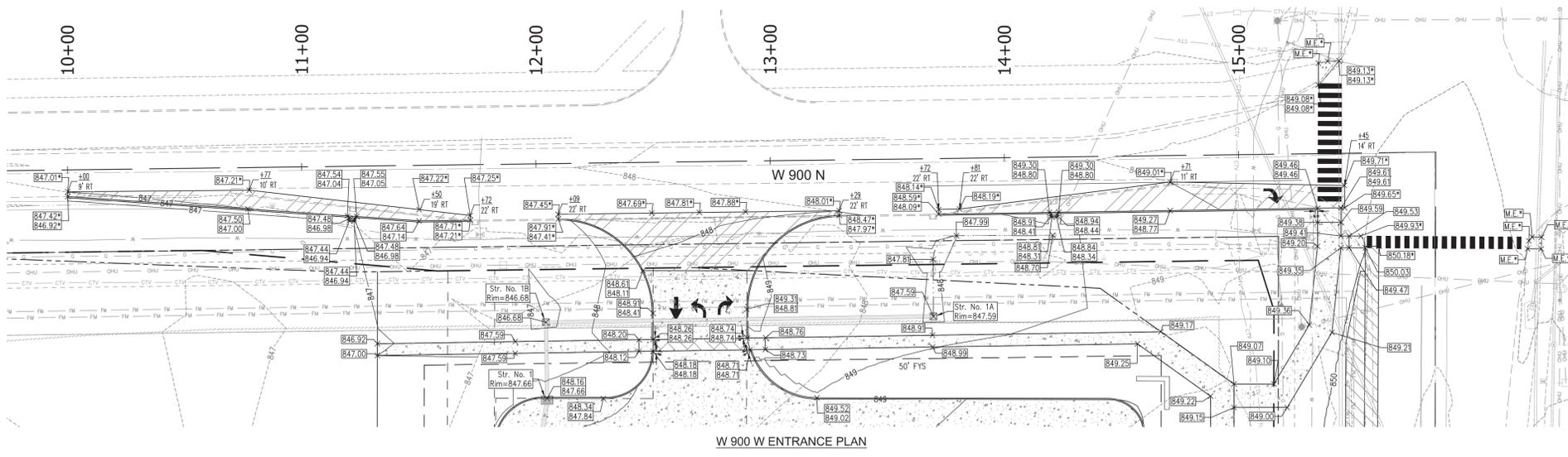
- FYS FRONT YARD SETBACK
- SYS SEE HARD SETBACK
- DUE DRAINAGE & UTILITY EASEMENT
- R/W RIGHT-OF-WAY
- EX EXISTING
- PROP. PROPOSED

- ### ENTRANCE PLAN NOTES
- CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TRAFFIC AND PROVIDING ALL NECESSARY FLAGMAN, BARRELS, SIGNAGE, ETC. DURING CONSTRUCTION. ALL APPLICABLE M.U.T.C.D. STANDARDS SHALL GOVERN THIS WORK.
  - ALL STRIPING/PAYMENT MARKINGS WITHIN R/W SHALL BE THERMOPLASTIC AND SHALL BE INSTALLED AFTER A 30-DAY ASPHALT CURE PERIOD. TEMPORARY SOLID DOUBLE YELLOW AND DASHED WHITE MARKINGS SHALL BE PLACED AND MAINTAINED UNTIL FINAL MARKINGS ARE INSTALLED.

- ### PEDESTRIAN SIGNAL NOTES
- INSTALL PEDESTRIAN PUSH BUTTON AND PEDESTRIAN CROSSING SIGNAL HEAD ON EXISTING POLE. PEDESTRIAN CROSSING SIGNALS PER TOWN OF McCORDSVILLE STANDARDS. RUN WIRING OVERHEAD ON EXISTING WIRING SYSTEM AS APPROVED BY TOWN ENGINEER.
  - INSTALL PEDESTRIAN PEDESTAL AND TWO PEDESTRIAN SIGNAL HEADS FOR NORTH AND SOUTH CROSSING. PEDESTRIAN CROSSING SIGNALS PER TOWN OF McCORDSVILLE STANDARDS. RUN WIRING OVERHEAD ON EXISTING WIRING SYSTEM AS APPROVED BY TOWN ENGINEER.

### GRADING LEGEND

- X 860.00 TOP OF CURB PROPOSED ELEVATIONS
- X 859.50 EDGE OF PAVEMENT
- X 860.00 FINISH GRADE
- X 860.00 \* EXISTING ELEVATIONS (TO BE FIELD VERIFIED)
- X 859.50 \*
- X M.E. \* M.E. \* F.F. ELEV. = 810.70
- PROPOSED FINISH FLOOR ELEVATION
- PROPOSED DRAINAGE SWALE
- EXISTING CONTOURS
- PROPOSED CONTOURS
- GRADE BREAK
- CURB HEIGHT TO TAPER FROM 0.5' TO 0.0' IN 1 FT.



NOTE:  
NO EARTHWORK DISTURBING ACTIVITY MAY COMMENCE UNTIL A STORM WATER MANAGEMENT PERMIT IS OBTAINED.

SCALE: 1" = 30'

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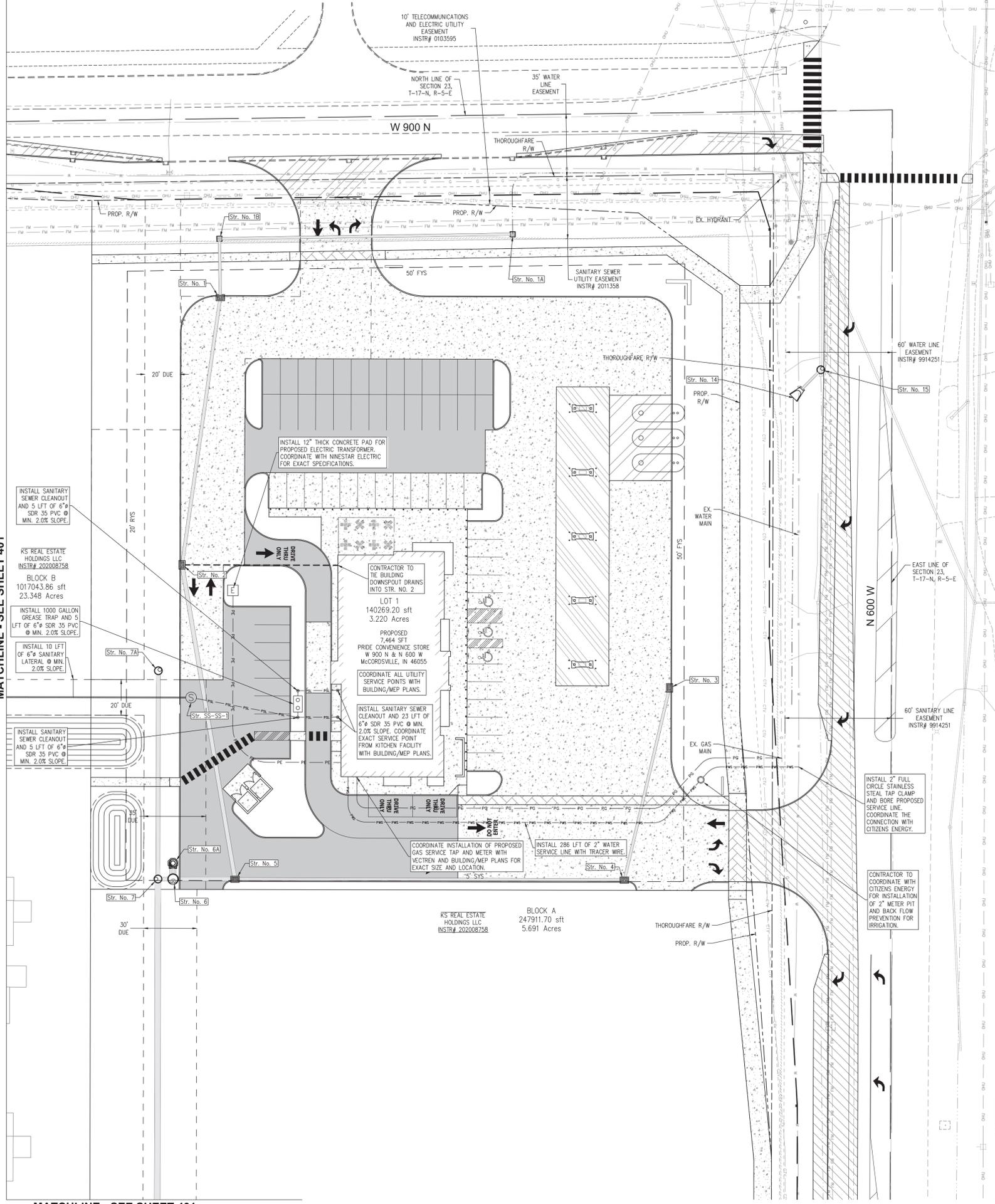
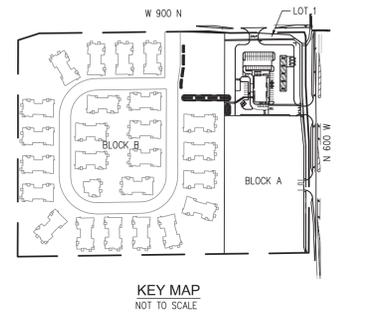


PROPOSED LEGEND	
---	PROPERTY LINE
---	SECTION LINE
---	SETBACK LINE
---	EASEMENT LINE
---	LOT LINE
---	DITCH LINE
---	SANITARY SEWER WITH MANHOLE
---	SANITARY SEWER LATERAL WITH CLEANOUT
---	STORM SEWER W/MANHOLE & END SECTION
---	ELECTRIC LINE
---	WATER SERVICE LINE
---	GAS LINE
---	STORM MANHOLES
---	STORM CURB INLETS
---	AQUA-SMRL UNITS
---	WATER METER
---	WATER VALVE
---	ELECTRIC TRANSFORMER
---	GREASE TRAP
---	SIGN

ABBREVIATIONS	
FYS	FRONT YARD SETBACK
SYS	SIDE YARD SETBACK
DUE	DRAINAGE & UTILITY EASEMENT
R/W	RIGHT-OF-WAY
EX.	EXISTING
PROP.	PROPOSED

EXISTING LEGEND	
---	CONTOURS
---	PROPERTY LINE
---	SECTION LINE
---	RIGHT-OF-WAY
---	EASEMENT
---	ADJOINER LINE
---	PAVEMENT LINE
---	FIELD LINE
---	DITCH
---	GAS LINE
---	TELEPHONE LINE
---	WATER LINE
---	CABLE TV LINE
---	ELECTRIC LINE
---	OVERHEAD UTILITY LINE
---	FIBER OPTIC LINE
---	FORCE MAIN LINE
---	TREE LINE
---	SANITARY SEWER W/MANHOLE
---	STORM SEWER W/MANHOLE & END SECTION

UTILITIES NOTES	
1.	CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TRAFFIC AND PROVIDING ALL NECESSARY FLAGMEN, BARRELS, SIGNAGE, ETC. DURING CONSTRUCTION. ALL APPLICABLE M.U.T.C.D. STANDARDS SHALL GOVERN THIS WORK.
2.	CONTRACTOR SHALL COORDINATE WITH APPLICABLE UTILITY COMPANIES AND BUILDING PLANS FOR WATER, CABLE, ELECTRIC, AND TELEPHONE CONNECTION SERVICE POINTS. ALL LIGHTING FIXTURES AND POLES SHALL BE PER OWNER AND PHOTOGRAPHIC DETAILS, INCLUDED IN THESE PLANS.
3.	CONTRACTOR TO COORDINATE WITH NINESTAR FOR NECESSARY ELECTRIC SERVICE REQUIREMENTS AND SPECIFICATIONS, AND BUILDING PLANS FOR ALL SERVICE POINTS AT EACH BUILDING.
4.	ALL FIELD TILES DISTURBED DURING CONSTRUCTION MUST BE REPAIRED/CONNECTED TO NEW DRAINAGE FACILITIES.
5.	EXISTING UTILITY SIZE AND MATERIAL INFORMATION SHOWN ON THESE PLANS ARE PER THE BEST GRAPHICAL AND VISIBLE INFORMATION AVAILABLE. CONFLICTS MAY EXIST AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL SIZING AND MATERIAL INFORMATION PROVIDED. IF ACTUAL CONDITIONS DIFFER FROM THAT INFORMATION SHOWN ON THE PLANS, THE CONTRACTOR SHALL PRIOR TO THE INSTALLATION OF ANY PROPOSED INFRASTRUCTURE, NOTIFY THE DESIGN ENGINEER IMMEDIATELY.



MATCHLINE - SEE SHEET 401

MATCHLINE - SEE SHEET 401

STORM SEWER STRUCTURE TABLE	STORM SEWER STRUCTURE TABLE	STORM SEWER STRUCTURE TABLE	STORM SEWER STRUCTURE TABLE
<b>STR. NO. 1</b> INSTALL TYPE 'W' INLET WITH NEENAH R-3287-10V CASTING OR APPROVED EQUAL AND 152 LFT OF 18" RCP @ 0.40% RIM=847.68 INV IN (15'-N)=844.16 INV OUT (18'-W)=844.06	<b>STR. NO. 4</b> INSTALL TYPE 'C' MANHOLE WITH NEENAH R-3287-10V CASTING OR APPROVED EQUAL AND 220 LFT OF 18" RCP @ 0.30% RIM=848.49 INV IN (15'-N)=843.82 INV OUT (18'-W)=843.72	<b>STR. NO. 7A</b> INSTALL TYPE 'C' MANHOLE WITH NEENAH R-1772-A CASTING OR APPROVED EQUAL AND 117 LFT OF 24" RCP @ 0.50% RIM=849.30 INV OUT (24'-S)=843.26	<b>STR. NO. 11</b> INSTALL TYPE 'B' MANHOLE WITH NEENAH R-1772-A CASTING OR APPROVED EQUAL AND 204 LFT OF 48" RCP @ 0.30% RIM=847.00 INV IN (48'-E)=840.04 INV OUT (48'-W)=839.94
<b>STR. NO. 1A</b> INSTALL TYPE 'C' INLET WITH NEENAH R-2560-E2 CASTING OR APPROVED EQUAL AND 165 LFT OF 15" RCP @ 0.33% RIM=847.59 INV OUT (15'-W)=844.89	<b>STR. NO. 5</b> INSTALL TYPE 'C' MANHOLE WITH NEENAH R-3287-10V CASTING OR APPROVED EQUAL AND 35 LFT OF 24" RCP @ 0.40% RIM=847.68 INV IN (24'-N)=843.06 INV OUT (24'-W)=842.96	<b>STR. NO. 8</b> INSTALL TYPE 'B' MANHOLE WITH NEENAH R-1772-A CASTING OR APPROVED EQUAL AND 370 LFT OF 36" RCP @ 0.20% RIM=847.19 INV IN (36'-W)=842.16 INV OUT (36'-S)=842.06	<b>STR. NO. 12</b> INSTALL TYPE 'B' MANHOLE WITH NEENAH R-1772-A CASTING OR APPROVED EQUAL AND 225 LFT OF 48" RCP @ 0.30% RIM=845.33 INV IN (48'-E)=839.33 INV OUT (48'-N)=839.23
<b>STR. NO. 1B</b> INSTALL TYPE 'C' INLET WITH NEENAH R-2560-E2 CASTING OR APPROVED EQUAL AND 33 LFT OF 15" RCP @ 0.23% RIM=846.68 INV IN (15'-S)=844.34 INV OUT (15'-S)=844.24	<b>STR. NO. 6</b> INSTALL DIVERSION STRUCTURE (SEE DETAIL SHEET 900) WITH NEENAH R-1772-A CASTING OR APPROVED EQUAL AND 9 LFT OF 24" RCP @ 0.40% RIM=846.62 INV IN (24'-E)=842.82 INV IN (12'-N)=842.70 INV OUT (24'-W)=842.70	<b>STR. NO. 9</b> INSTALL TYPE 'B' MANHOLE WITH NEENAH R-1772-A CASTING OR APPROVED EQUAL AND 398 LFT OF 48" RCP @ 0.09% RIM=849.29 INV IN (56'-N)=841.32 INV IN (24'-NW)=846.22 INV OUT (48'-W)=841.22	<b>STR. NO. 13</b> INSTALL TYPE 'B' MANHOLE WITH NEENAH R-1772-A CASTING OR APPROVED EQUAL AND 89 LFT OF 54" RCP @ 0.40% RIM=845.69 INV IN (48'-S)=838.56 INV OUT (54'-W)=838.46 D.S. E.L. = 838.10
<b>STR. NO. 2</b> INSTALL TYPE 'C' MANHOLE WITH NEENAH R-3287-10V CASTING OR APPROVED EQUAL AND 179 LFT OF 24" RCP @ 0.16% RIM=847.63 INV IN (18'-N)=843.45 INV IN (6'-E)=843.35 INV OUT (24'-S)=843.35	<b>STR. NO. 6A</b> INSTALL AQUA SWIRL AS-4 AND 9 LFT OF 12" RCP @ 1.00% RIM=848.71 INV IN (12'-S)=842.76 INV OUT (12'-S)=842.76 (SEE DETAIL-SHEET 901)	<b>STR. NO. 9A</b> INSTALL ONE (1) CONCRETE END SECTION AND 105 LFT OF 24" RCP @ 0.20% RIM=847.68 INV OUT (24'-SE)=846.43	<b>STR. NO. 14</b> INSTALL 12" CONCRETE END SECTION AND 22 LFT OF 12" RCP @ 1.00% INV OUT (12'-NE)=846.53
<b>STR. NO. 3</b> INSTALL TYPE 'W' INLET WITH NEENAH R-3287-10V CASTING OR APPROVED EQUAL AND 111 LFT OF 15" RCP @ 0.58% RIM=847.62 INV IN (15'-S)=844.46	<b>STR. NO. 7</b> INSTALL TYPE 'B' MANHOLE WITH NEENAH R-1772-A CASTING OR APPROVED EQUAL AND 274 LFT OF 36" RCP @ 0.15% RIM=848.95 INV IN (24'-E)=842.67 INV IN (24'-N)=842.67 INV OUT (36'-S)=842.57	<b>STR. NO. 10</b> INSTALL TYPE 'B' MANHOLE WITH NEENAH R-2560-E2 CASTING OR APPROVED EQUAL AND 400 LFT OF 48" RCP @ 0.18% RIM=846.86 INV IN (48'-E)=840.86 INV OUT (48'-W)=840.76	<b>STR. NO. 15</b> INSTALL TYPE 'C' MANHOLE WITH NEENAH R-1772-A CASTING OR APPROVED EQUAL AND CONNECT TO EXISTING PIPE RIM=850.24 INV IN (12'-SW)=846.31 EX. INV OUT (15'-N)=846.31

SANITARY SEWER STRUCTURE TABLE	SANITARY SEWER STRUCTURE TABLE
<b>STR. NO. SS-1</b> INSTALL SANITARY SEWER MANHOLE WITH EAST JORDAN 1022-21 CASTING OR APPROVED EQUAL AND 268 LFT OF 8" PVC @ 0.45% RIM=848.66 INV IN (6'-E)=840.10 INV OUT (8'-W)=840.00	<b>STR. NO. SS-4</b> INSTALL SANITARY SEWER MANHOLE WITH EAST JORDAN 1022-21 CASTING OR APPROVED EQUAL AND 145 LFT OF 8" PVC @ 0.45% RIM=847.58 INV IN (8'-N)=837.09 INV IN (8'-E)=837.09 INV OUT (8'-S)=836.99
<b>STR. NO. SS-2</b> INSTALL SANITARY SEWER MANHOLE WITH EAST JORDAN 1022-21 CASTING OR APPROVED EQUAL AND 355 LFT OF 8" PVC @ 0.45% RIM=849.39 INV IN (8'-E)=838.79 INV OUT (8'-W)=838.69	<b>STR. NO. SS-5</b> INSTALL SANITARY SEWER MANHOLE WITH EAST JORDAN 1022-21 CASTING OR APPROVED EQUAL AND 362 LFT OF 8" PVC @ 0.45% RIM=846.67 INV IN (8'-N)=836.34 INV OUT (8'-W)=836.24
<b>STR. NO. SS-3</b> INSTALL SANITARY SEWER MANHOLE WITH EAST JORDAN 1022-21 CASTING OR APPROVED EQUAL AND 268 LFT OF 8" PVC @ 0.45% RIM=847.24 INV OUT (8'-W)=838.30	<b>STR. NO. SS-6</b> EXISTING SANITARY MANHOLE MECHANICALLY CORE AND CONNECT 8" PVC FROM STR. NO. SS-5-834 LFT OF 8" PVC @ 0.9316.07% RIM=847.88 INV IN (8'-E)=834.61 INV IN (8'-S)=830.56 INV OUT (8'-N)=830.53

PRIDE CONVENIENCE STORE

UTILITY PLAN

400

DESIGNED: CDM

APPROVED: GJ

DATE: FEBRUARY 19, 2021

JOB NO.: GJ

REVISIONS

NO. DATE

REVISIONS

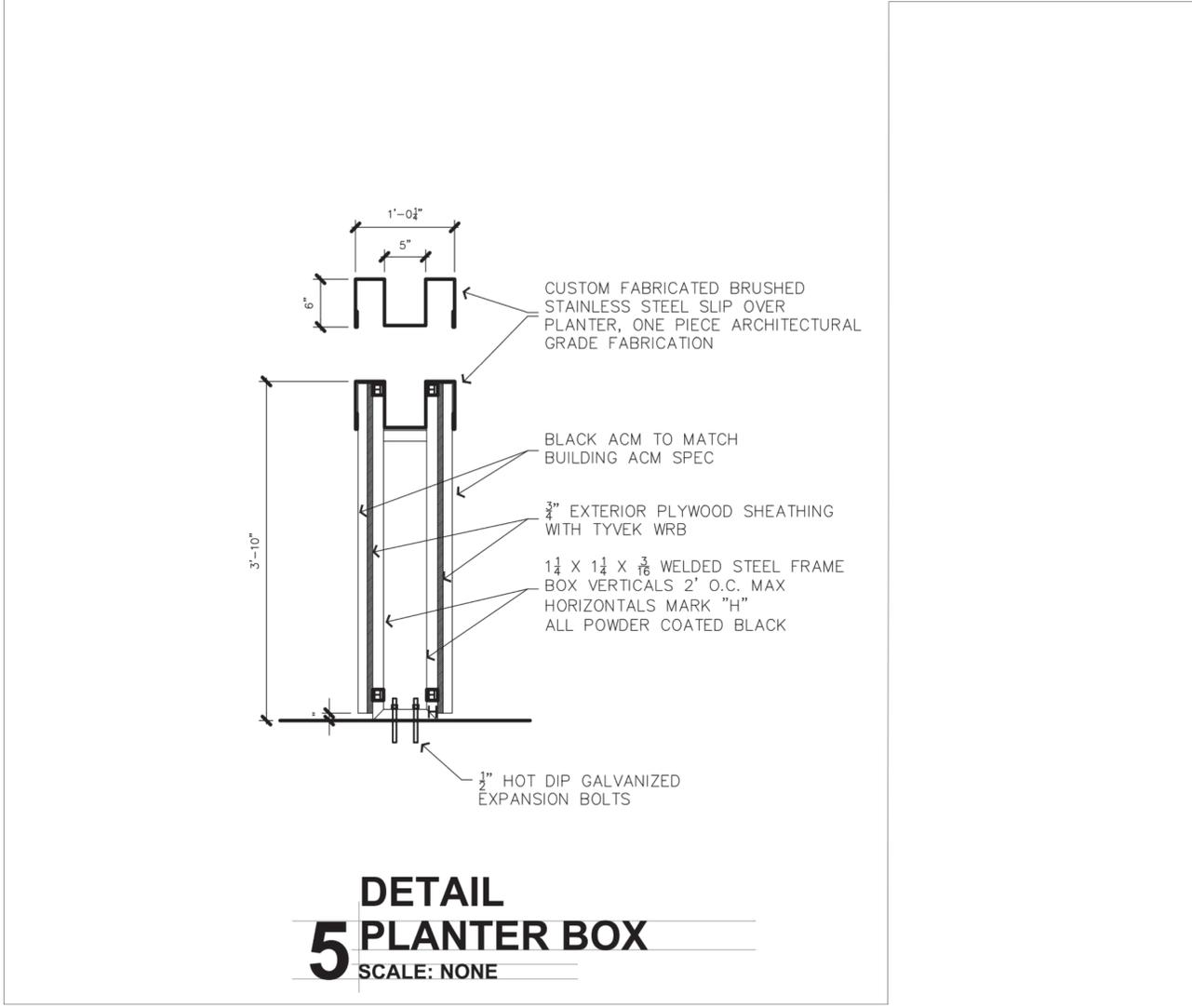
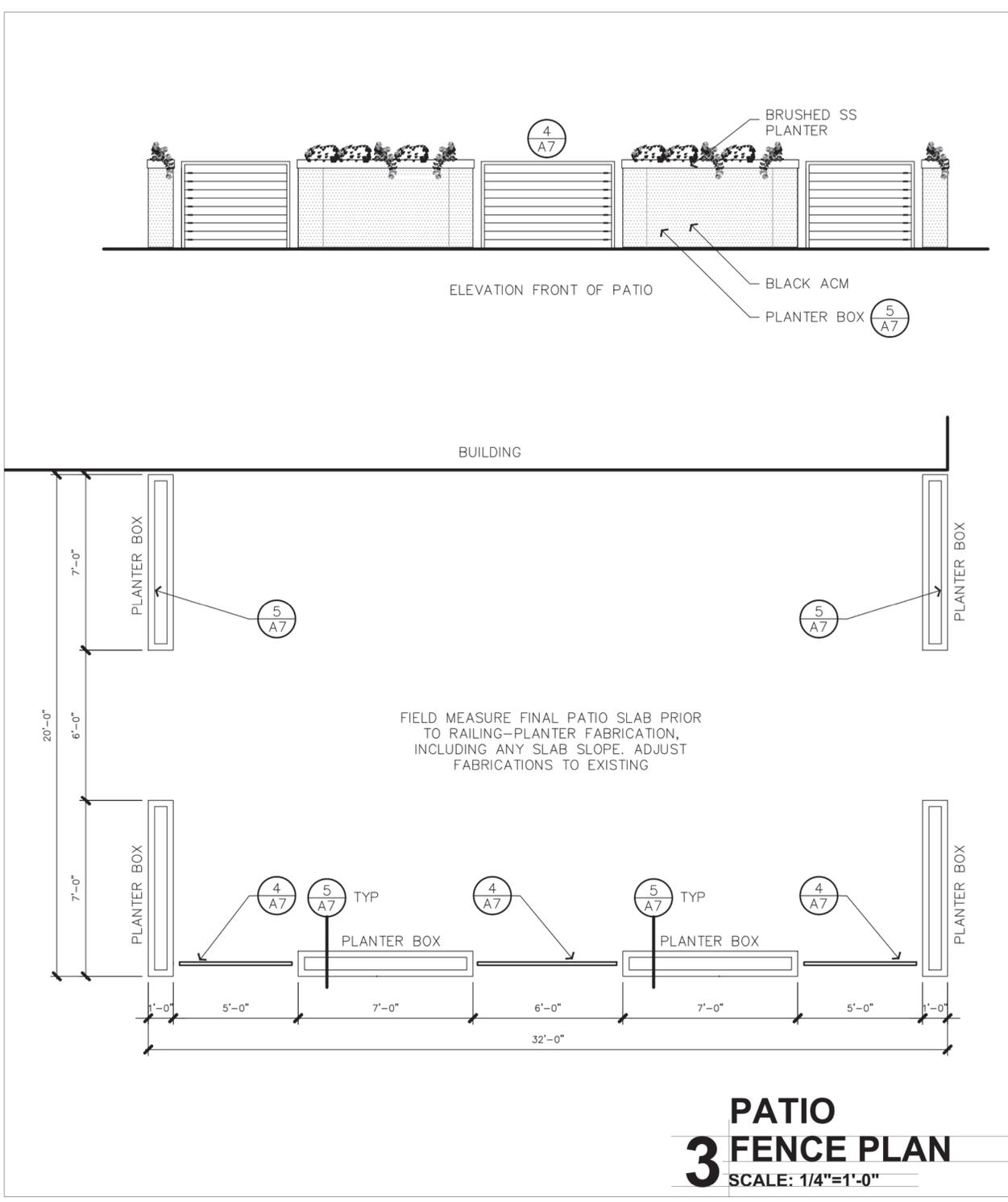
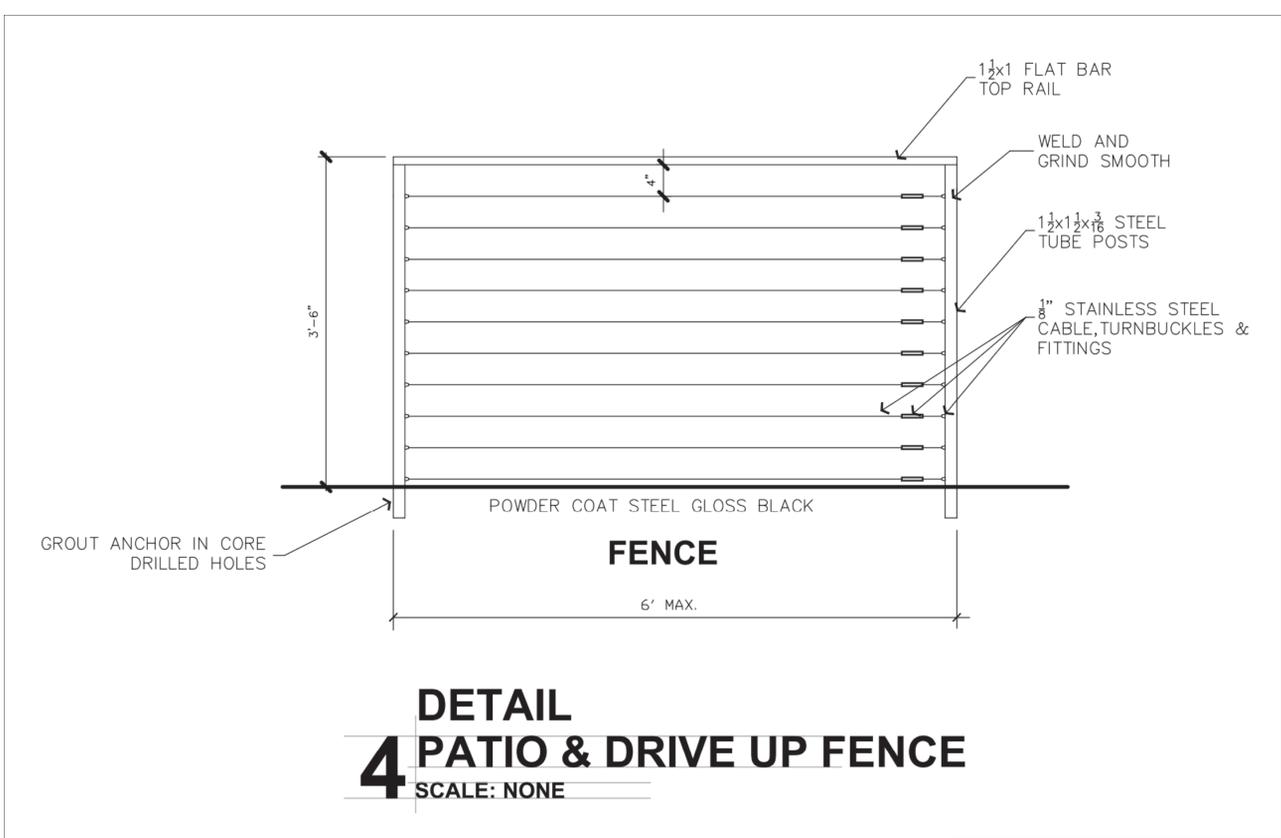
**MISCELLANEOUS DETAILS**

**PRIDE CONVENIENCE STORE**

JOB No.	DATE	DESIGNED	CDM	APPR.	G/J
	FEBRUARY 19, 2021				
DRAWN	KLF	DESIGNED	CDM	APPR.	G/J

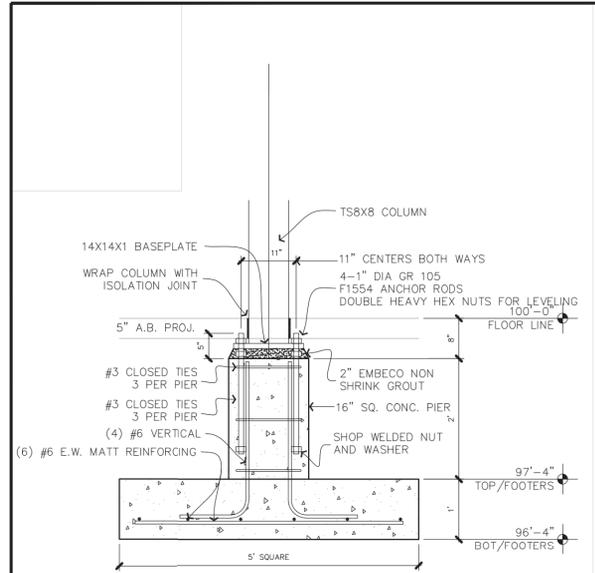


NO.	DATE	REVISIONS
1	04.08.21	UPDATED PER PLANNING AND ENGINEERING COMMENTS RECEIVED 03.04.21
2	04.09.21	REVISED PER DRAINAGE COMMENTS RECEIVED 04.01.21
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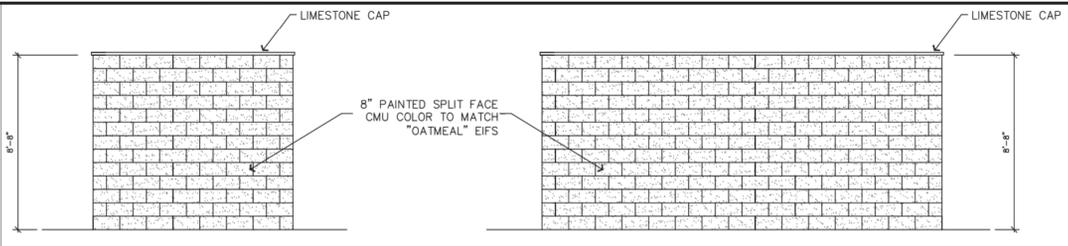
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NO.	DATE	REVISIONS
1	04.08.21	REVISED PER PLANNING AND ENGINEERING COMMENTS RECEIVED 03.04.21
2	04.09.21	UPDATED PER PLANNING AND ENGINEERING COMMENTS RECEIVED 04.01.21
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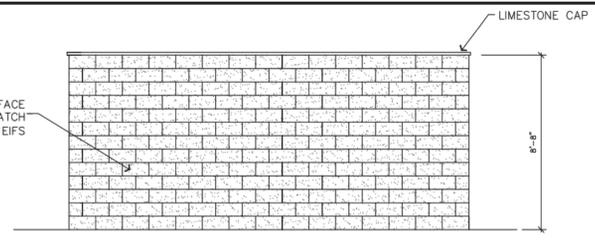


**1 STEEL COLUMN FOOTING**  
 SCALE: 3/4"=1'-0"

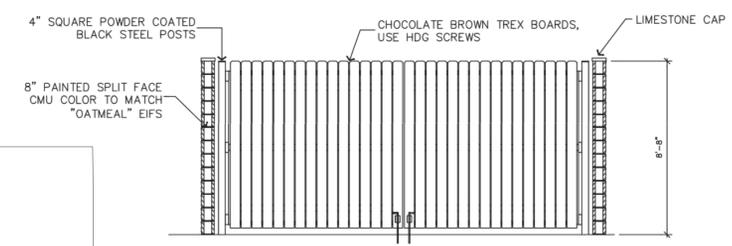
**MATERIALS NOTES**  
 ALL CONCRETE IN FOUNDATIONS & FOOTINGS TO BE OF 3000 PSI DEVELOPED STRENGTH @ 28 DAYS, UNLESS NOTED OTHERWISE, & SHALL COMPLY WITH ACI-301-72. SLUMP 4" MAX.  
 ALL DEFORMED REINFORCING BARS SHALL BE Fy= 60,000 PSI. SPLICES SHALL BE 30 BAR DIAMETERS MIN LAP, & SPLICES SHALL BE STAGGERED.  
 PROVIDE LEAN CONCRETE UNDER FOUNDATIONS FOR ACCIDENTAL OVEREXCAVATION, SOFT SPOTS, & TRENCHES.  
 PROVIDE CORNER BARS @ FOOTING CORNERS TO MATCH HORIZONTAL REINFORCING. MINIMUM LENGTH = 45 BAR DIAMETERS PER LEG.  
 FOUNDATIONS ARE DESIGNED FOR 2500psf SAFE SOIL BEARING PRESSURE SEE ATC SOIL REPORT



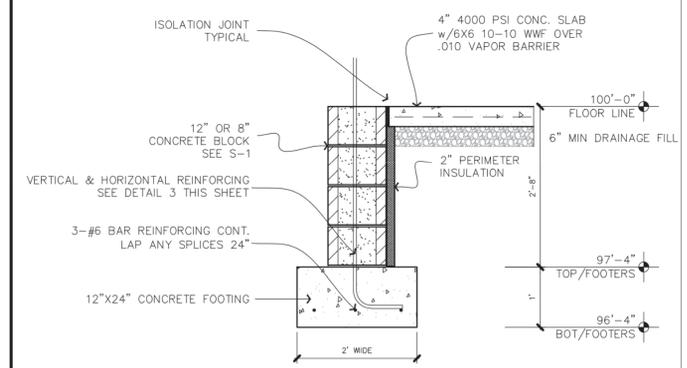
**5 SIDE ELEVATIONS**  
 SCALE: 1/4"=1'-0"



**4 REAR ELEVATION**  
 SCALE: 1/4"=1'-0"



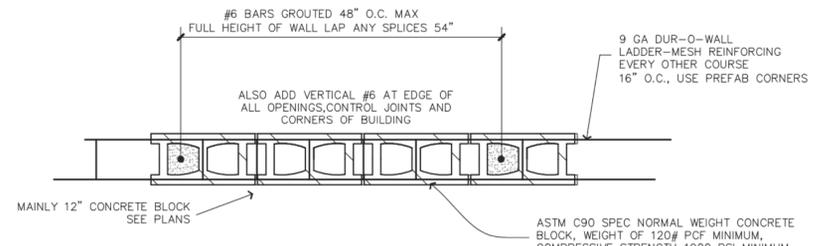
**3 FRONT ELEVATION**  
 SCALE: 1/4"=1'-0"



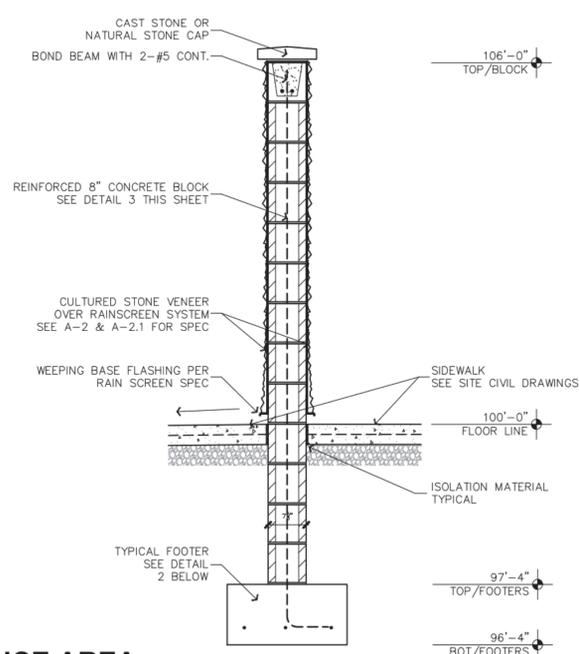
**2 STRIP FOOTING**  
 SCALE: 3/4"=1'-0"

**BLOCK GROUT MIX FOR THIS JOB**

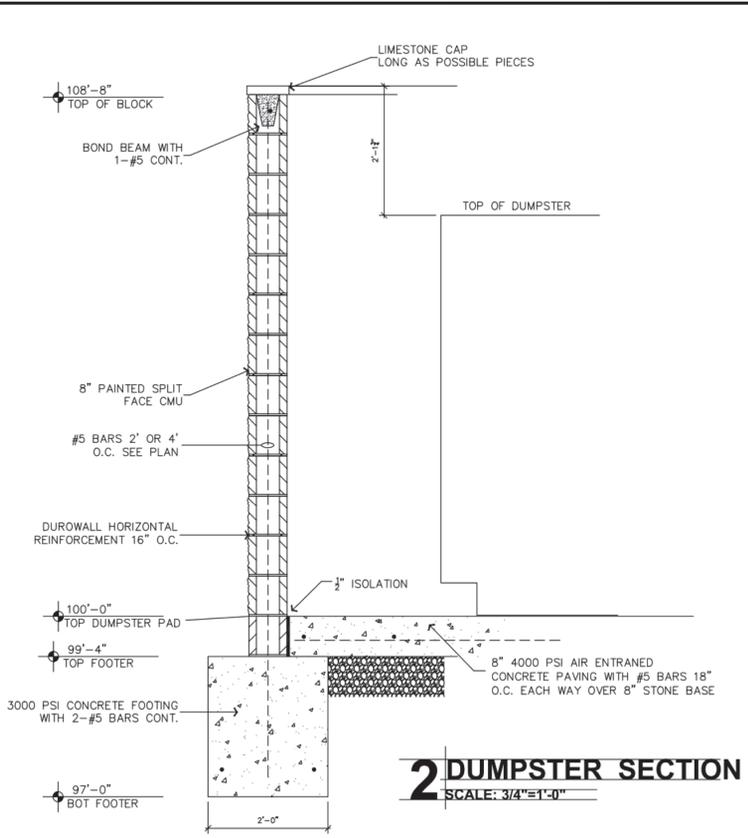
(1) PART PORTLAND CEMENT  
 (2.5-3) PARTS MASONRY SAND  
 (1/10) PART LIME  
 OR USE REDI-MIX GROUT OR SELF CONSOLIDATING GROUT  
 USE 3/8"-1" VIBRATOR TO CONSOLIDATE GROUT IN WALL & BOND BEAMS TO ATTAIN 2000 PSI PRIOR TO SETTING STEEL



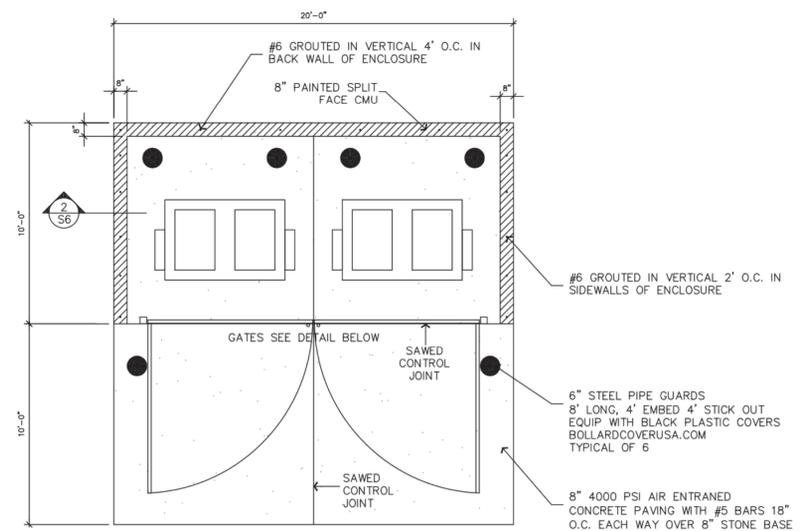
**3 MASONRY WALL DETAIL**  
 SCALE: NO SCALE



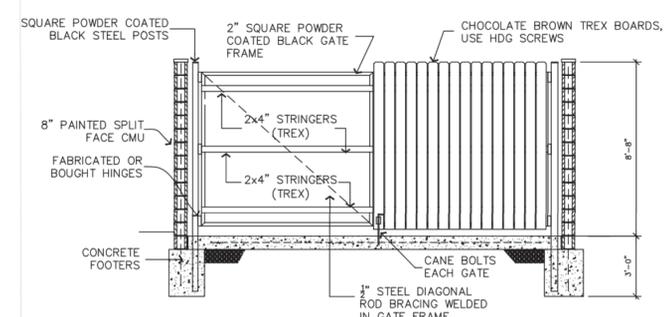
**4 ICE AREA SCREEN WALL**  
 SCALE: NO SCALE



**2 DUMPSTER SECTION**  
 SCALE: 3/4"=1'-0"



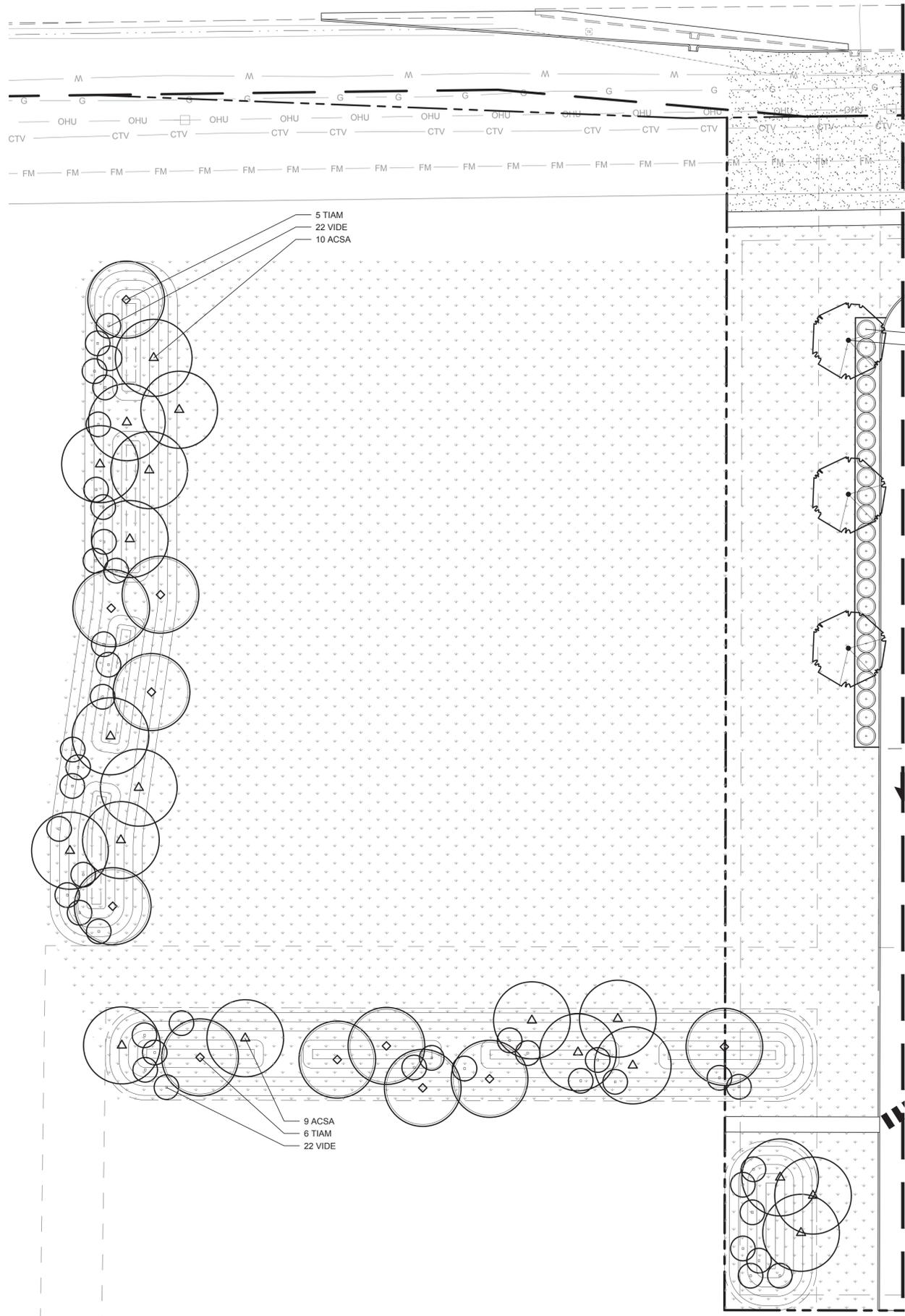
**1-REQUIRED THIS JOB**



**1 DUMPSTER DETAIL**  
 SCALE: 1/4"=1'-0"

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**PLANTING LEGEND**

SYMBOL	BOTANIC NAME	COMMON NAME	SIZE	SPACING	QUANTITY	REMARKS
<b>TREES</b>						
ACSA	Acer saccharum 'Morton'	Crescendo Maple	2.5" cal., B&B	Per plan	19	
CLLU	Cladrastis lutea	Yellowwood	2.5" cal., B&B	Per plan	12	
QUMU	Quercus muehlenbergii	Chinquapin Oak	2.5" cal., B&B	Per plan	8	
TIAM	Tilia americana	American Linden	2.5" cal., B&B	Per plan	13	
<b>SHRUBS</b>						
ILGL	Ilex glabra 'Shamrock'	Shamrock Inkberry	#5 cont.	3' o.c.	142	low growing
PHDI	Physocarpus opulifolius 'Diabolo'	Diabolo Ninebark	24" B&B	6' o.c.	32	24" spread min. at planting
PHOP	Physocarpus opulifolius 'SMPOTW'	Tiny Wine Ninebark	#5 cont.	3' o.c.	44	low growing
RORA	Rosa 'Radsunny'	Sunny Knock Out Rose	#3 cont.	4' o.c.	8	low growing
SPGO	Spiraea japonica 'Goldflame'	Goldflame Spiraea	#5 cont.	3' o.c.	30	low growing
VIDE	Viburnum dentatum	Arrowwood Viburnum	24" B&B	5' o.c.	44	24" spread min. at planting
<b>TURF AND SEED</b>						
	Poa pratensis	Kentucky Bluegrass	Sod	---	---	
		Native seed mix (TBD)	Hydroseed	---	TBD	

**LANDSCAPE CALCULATIONS**

**PARKING PERIMETER**

NORTH LENGTH: 277 LF  
 TREES REQUIRED: 6 TREES (1 TREE PER 50 LF)  
 TREES PROVIDED: 6 TREES  
 EAST PROPERTY LINE LENGTH: 289 LF  
 TREES REQUIRED: 6 TREES (1 TREE PER 50 LF)  
 TREES PROVIDED: 6 TREES

**PARKING**

INTERIOR PARKING AREA: 78,153 SF  
 LANDSCAPE AREA REQUIRED: 3,909 SF (5%)  
 LANDSCAPE AREA PROVIDED: 4,927 SF (6.3%)  
 TREES REQUIRED: 2 TREES (1 TREE PER 2,400 SF PKG AREA)  
 TREES PROVIDED: 7 TREES  
 SHRUBS REQUIRED: 7 SHRUBS (1 SHRUB PER 500 SF PKG AREA)  
 SHRUBS PROVIDED: 15 SHRUBS  
 WEST BUFFER LENGTH: 145 LF  
 TREES REQUIRED: 5 TREES (1 TREE PER 50 LF)  
 TREES PROVIDED: 5 TREES

**BUFFER YARD**

BUFFER LENGTH: 328 LF  
 TREES REQUIRED: 23 TREES (7 TREES PER 100 LF)  
 TREES PROVIDED: 23 TREES  
 SHRUBS REQUIRED: 33 SHRUBS (10 SHRUBS PER 100 LF)  
 SHRUBS PROVIDED: 33 SHRUBS

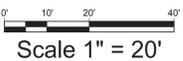
**SUPPLEMENTAL TREES**

SITE AREA: 140,269 SF (3.22 ACRES)  
 MIN. TREES REQUIRED: 16 TREES (5 TREES PER ACRE)  
 TREES PROVIDED: 30 TREES  
 SUPPLEMENTAL TREES REQUIRED: 0 TREES

**GENERAL GRADING AND PLANTING NOTES**

- BY SUBMITTING A PROPOSAL FOR THE LANDSCAPE PLANTING SCOPE OF WORK, THE CONTRACTOR CONFIRMS THAT HE HAS READ, AND WILL COMPLY WITH, THE ASSOCIATED NOTES, SPECIFICATIONS, AND DETAILS WITH THIS PROJECT.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL EXISTING VEGETATION (EXCEPT WHERE NOTED TO REMAIN).
- IN THE CONTEXT OF THESE PLANS, NOTES, AND SPECIFICATIONS, "FINISH GRADE" REFERS TO THE FINAL ELEVATION OF THE SOIL SURFACE (NOT TOP OF MULCH) AS INDICATED ON THE GRADING PLANS.
  - BEFORE STARTING WORK, THE LANDSCAPE CONTRACTOR SHALL VERIFY THAT THE ROUGH GRADES OF ALL LANDSCAPE AREAS ARE WITHIN +0.1' OF FINISH GRADE. SEE SPECIFICATIONS FOR MORE DETAILED INSTRUCTION ON TURF AREA AND PLANTING BED PREPARATION.
  - CONSTRUCT AND MAINTAIN FINISH GRADES AS SHOWN ON GRADING PLANS. AND CONSTRUCT AND MAINTAIN SLOPES AS RECOMMENDED BY THE GEOTECHNICAL REPORT. ALL LANDSCAPE AREAS SHALL HAVE POSITIVE DRAINAGE AWAY FROM STRUCTURES AT THE MINIMUM SLOPE SPECIFIED IN THE REPORT AND ON THE GRADING PLANS, AND AREAS OF POTENTIAL PONDING SHALL BE REGRADED TO BLEND IN WITH THE SURROUNDING GRADES AND ELIMINATE PONDING POTENTIAL.
  - THE LANDSCAPE CONTRACTOR SHALL DETERMINE WHETHER OR NOT THE EXPORT OF ANY SOIL WILL BE NEEDED, TAKING INTO ACCOUNT THE ROUGH GRADE PROVIDED, THE AMOUNT OF SOIL AMENDMENTS TO BE ADDED (BASED ON A SOIL TEST, PER SPECIFICATIONS), AND THE FINISH GRADES TO BE ESTABLISHED.
  - ENSURE THAT THE FINISH GRADE IN SHRUB AREAS IMMEDIATELY ADJACENT TO WALKS AND OTHER WALKING SURFACES, AFTER INSTALLING SOIL AMENDMENTS, IS 3" BELOW THE ADJACENT FINISH SURFACE, IN ORDER TO ALLOW FOR PROPER MULCH DEPTH, TAPER THE SOIL SURFACE TO MEET FINISH GRADE, AS SPECIFIED ON THE GRADING PLANS, AT APPROXIMATELY 18" AWAY FROM THE WALKS.
  - ENSURE THAT THE FINISH GRADE IN TURF AREAS IMMEDIATELY ADJACENT TO WALKS AND OTHER WALKING SURFACES, AFTER INSTALLING SOIL AMENDMENTS, IS 1" BELOW THE FINISH SURFACE OF THE WALKS. TAPER THE SOIL SURFACE TO MEET FINISH GRADE, AS SPECIFIED ON THE GRADING PLANS, AT APPROXIMATELY 18" AWAY FROM THE WALKS.
  - SHOULD ANY CONFLICTS AND/OR DISCREPANCIES ARISE BETWEEN THE GRADING PLANS, GEOTECHNICAL REPORT, THESE NOTES AND PLANS, AND ACTUAL CONDITIONS, THE CONTRACTOR SHALL IMMEDIATELY BRING SUCH ITEMS TO THE ATTENTION OF THE LANDSCAPE ARCHITECT, GENERAL CONTRACTOR, AND OWNER.
- ALL PLANT LOCATIONS ARE DIAGRAMMATIC. ACTUAL LOCATIONS SHALL BE VERIFIED WITH THE LANDSCAPE ARCHITECT OR DESIGNER PRIOR TO PLANTING. THE LANDSCAPE CONTRACTOR SHALL ENSURE THAT ALL REQUIREMENTS OF THE PERMITTING AUTHORITY ARE MET (I.E., MINIMUM PLANT QUANTITIES, PLANTING METHODS, TREE PROTECTION METHODS, ETC.).
  - THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR DETERMINING PLANT QUANTITIES; PLANT QUANTITIES SHOWN ON LEGENDS AND CALLOUTS ARE FOR GENERAL INFORMATION ONLY. IN THE EVENT OF A DISCREPANCY BETWEEN THE PLAN AND THE PLANT LEGEND, THE PLANT QUANTITY AS SHOWN ON THE PLAN (FOR INDIVIDUAL SYMBOLS) OR CALLOUT (FOR GROUNDCOVER PATTERNS) SHALL TAKE PRECEDENCE.
  - NO SUBSTITUTIONS OF PLANT MATERIALS SHALL BE ALLOWED WITHOUT THE WRITTEN PERMISSION OF THE LANDSCAPE ARCHITECT.** IF SOME OF THE PLANTS ARE NOT AVAILABLE, THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT IN WRITING (VIA PROPER CHANNELS).
  - THE CONTRACTOR SHALL, AT A MINIMUM, PROVIDE REPRESENTATIVE PHOTOS OF ALL PLANTS PROPOSED FOR THE PROJECT. THE CONTRACTOR SHALL ALLOW THE LANDSCAPE ARCHITECT AND THE OWNER/OWNER'S REPRESENTATIVE TO INSPECT, AND APPROVE OR REJECT, ALL PLANTS DELIVERED TO THE JOBSITE. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS FOR SUBMITTALS.
- THE CONTRACTOR SHALL MAINTAIN THE LANDSCAPE IN A HEALTHY CONDITION FOR 90 DAYS AFTER ACCEPTANCE BY THE OWNER. REFER TO SPECIFICATIONS FOR CONDITIONS OF ACCEPTANCE FOR THE START OF THE MAINTENANCE PERIOD, AND FOR FINAL ACCEPTANCE AT THE END OF THE MAINTENANCE PERIOD.
- SEE SPECIFICATIONS AND DETAILS FOR FURTHER REQUIREMENTS.

MATCHLINE - SEE SHEET LP-1



LANDSCAPE PLAN

PRIDE CONVENIENCE STORE



DATE: FEBRUARY 19, 2021

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**PLANTING SPECIFICATIONS**

**GENERAL**

- A. QUALIFICATIONS OF LANDSCAPE CONTRACTOR**
- ALL LANDSCAPE WORK SHOWN ON THESE PLANS SHALL BE PERFORMED BY A SINGLE FIRM SPECIALIZING IN LANDSCAPE PLANTING.
  - A LIST OF SUCCESSFULLY COMPLETED PROJECTS OF THIS TYPE, SIZE AND NATURE MAY BE REQUESTED BY THE OWNER FOR FURTHER QUALIFICATION MEASURES.
  - THE LANDSCAPE CONTRACTOR SHALL HOLD A VALID CONTRACTOR'S LICENSE ISSUED BY THE APPROPRIATE LOCAL JURISDICTION.
- B. SCOPE OF WORK**
- WORK COVERED BY THESE SECTIONS INCLUDES THE FURNISHING AND PAYMENT OF ALL MATERIALS, LABOR, SERVICES, EQUIPMENT, LICENSES, TAXES AND ANY OTHER NECESSARY FOR THE EXECUTION, INSTALLATION AND COMPLETION OF ALL WORK, SPECIFIED HEREIN AND / OR SHOWN ON THE LANDSCAPE PLANS, NOTES, AND DETAILS.
  - ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE LAWS, CODES AND REGULATIONS REQUIRED BY AUTHORITIES HAVING JURISDICTION OVER SUCH WORK, INCLUDING ALL INSPECTIONS AND PERMITS REQUIRED BY FEDERAL, STATE AND LOCAL AUTHORITIES IN SUPPLY, TRANSPORTATION AND INSTALLATION OF MATERIALS.
  - THE LANDSCAPE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITY LINES (WATER, SEWER, ELECTRICAL, TELEPHONE, GAS, CABLE, TELEVISION, ETC.) PRIOR TO THE START OF ANY WORK.

**PRODUCTS**

- A. ALL MANUFACTURED PRODUCTS SHALL BE NEW.**
- B. CONTAINER AND BALLED-AND-BURLAPPED PLANTS**
- FURNISH NURSERY-GROWING PLANTS CONFORMING WITH ANSI Z60.1-2014. PROVIDE WELL-SHAPED, FULLY BRANCHED, HEALTHY, VIGOROUS STOCK FREE OF DISEASE, INSECTS, EGGS, LARVAE, AND DEFECTS SUCH AS KNOTS, SUN SCALD, INJURIES, ABRASIONS, AND DISFIGUREMENT. ALL PLANTS WITHIN A SPECIES SHALL HAVE SIMILAR SIZE, AND SHALL BE OF A FORM TYPICAL FOR THE SPECIES. ALL TREES SHALL BE OBTAINED FROM SOURCES WITHIN 200 MILES OF THE PROJECT SITE, AND WITH SIMILAR CLIMATIC CONDITIONS.
  - ROOT SYSTEMS SHALL BE HEALTHY, DENSELY BRANCHED ROOT SYSTEMS, NON-POT-BOUND, FREE FROM ENCIRCLING AND/OR GIRDLING ROOTS, AND FREE FROM ANY OTHER ROOT DEFECTS (SUCH AS J-SHAPED ROOTS).
  - TREES MAY BE PLANTED FROM CONTAINERS OR BALLED-AND-BURLAPPED (BAB), UNLESS SPECIFIED ON THE PLANTING LEGEND. BARE-ROOT TREES ARE NOT ACCEPTABLE.
  - ANY PLANT DEEMED UNACCEPTABLE BY THE LANDSCAPE ARCHITECT OR OWNER SHALL BE IMMEDIATELY REMOVED FROM THE SITE AND SHALL BE REPLACED WITH AN ACCEPTABLE PLANT OF LIKE TYPE AND SIZE AT THE CONTRACTOR'S OWN EXPENSE. ANY PLANTS APPEARING TO BE UNHEALTHY, EVEN IF DETERMINED TO STILL BE ALIVE, SHALL NOT BE ACCEPTED. THE LANDSCAPE ARCHITECT AND OWNER SHALL BE THE SOLE JUDGES AS TO THE ACCEPTABILITY OF PLANT MATERIAL.
  - ALL TREES SHALL BE STANDARD IN FORM UNLESS OTHERWISE SPECIFIED. TREES WITH CENTRAL LEADERS WILL NOT BE ACCEPTED IF LEADERS IS DAMAGED OR REMOVED. PRUNE ALL DAMAGED TWIGS AFTER PLANTING. CALIPER MEASUREMENTS FOR STANDARD (SINGLE TRUNK) TREES SHALL BE AS FOLLOWS: SIX INCHES ABOVE THE ROOT FLARE FOR TREES UP TO AND INCLUDING FOUR INCHES IN CALIPER, AND TWELVE INCHES ABOVE THE ROOT FLARE FOR TREES IN EXCESS OF FOUR INCHES IN CALIPER. MULTI-TRUNK TREES SHALL BE MEASURED BY THEIR OVERALL HEIGHT, MEASURED FROM THE TOP OF THE ROOT BALL, WHERE CALIPER MEASUREMENTS ARE USED, THE CALIPER SHALL BE CALCULATED AS ONE-HALF OF THE SUM OF THE CALIPER OF THE THREE LARGEST TRUNKS.
  - ANY TREE OR SHRUB SHOWN TO HAVE EXCESS SOIL PLACED ON TOP OF THE ROOT BALL, SO THAT THE ROOT FLARE HAS BEEN COMPLETELY COVERED, SHALL BE REJECTED.
  - SOD: PROVIDE WELL-ROOTED SOD OF THE VARIETY NOTED ON THE PLANS. SOD SHALL BE CUT FROM HEALTHY, MATURE TURF WITH SOIL THICKNESS OF 3/4" TO 1". EACH PALLET OF SOD SHALL BE ACCOMPANIED BY A CERTIFICATE FROM SUPPLIER STATING THE COMPOSITION OF THE SOD.
  - PROVIDE BLEND OF SPECIES AND VARIETIES AS NOTED ON THE PLANS, WITH MAXIMUM PERCENTAGES OF PURITY, GERMINATION, AND MINIMUM PERCENTAGE OF WEED SEED AS INDICATED ON PLANS. EACH BAG OF SEED SHALL BE ACCOMPANIED BY A TAG FROM THE SUPPLIER INDICATING THE COMPOSITION OF THE SEED.
  - TOPSOIL: SANDY TO CLAY LOAM TOPSOIL, FREE OF STONES LARGER THAN 1/2 INCH, FOREIGN MATTER, PLANTS, ROOTS, AND SEEDS.
  - COMPOST: WELL-COMPOSTED, STABLE, AND WEED-FREE ORGANIC MATTER, pH RANGE OF 5.5 TO 8, MOISTURE CONTENT 50 TO 55 PERCENT PASSING THROUGH #40 MESH SIEVE; SOIL SALINITY CONTENT OF 5 TO 10 DECISEMENS/M; NOT EXCEEDING 0.5 PERCENT INERT CONTAMINANTS AND FREE OF SUBSTANCES TOXIC TO PLANTINGS. NO MANURE OR ANIMAL-BASED PRODUCTS SHALL BE USED.
  - FERTILIZER: GRANULAR BLEND OF NITROGEN, PHOSPHORUS, POTASSIUM, AND OTHER NUTRIENTS IN PROPORTIONS, AMOUNTS, AND RELEASE RATES RECOMMENDED IN A PHOSPHORUS FROM A QUALIFIED SOIL-TESTING AGENCY (SEE BELOW).
  - MULCH: SIZE AND TYPE AS INDICATED ON PLANS, FREE FROM DELETERIOUS MATERIALS AND SUITABLE AS A TOP DRESSING OF TREES AND SHRUBS.
  - TREE STAKING AND GUYING
    - STAKES: 6' LONG GREEN METAL T-POSTS.
    - GUY AND THE WIRE: ASTM A 64, CLASS 1, GALVANIZED STEEL WIRE, 2-STRAND, TWISTED, 0.106 INCH DIAMETER.
    - STRAP CHAFING GUARD: REINFORCED NYLON OR CANVAS AT LEAST 1-1/2 INCH WIDE, WITH GROMMETS TO PROTECT TREE TRUNKS FROM DAMAGE.
- J. STEEL EDGING: PROFESSIONAL STEEL EDGING, 1/4 GAUGE THICK X 4 INCHES WIDE, FACTORY PAINTED DARK GREEN. ACCEPTABLE MANUFACTURERS INCLUDE COL-MET OR APPROVED EQUAL.**
- K. PRE-EMERGENT HERBICIDES: ANY GRANULAR PRE-EMERGENT HERBICIDE THAT IS LABELED FOR THE SPECIFIC ORNAMENTALS OR TURF ON WHICH IT WILL BE UTILIZED. PRE-EMERGENT HERBICIDES SHALL BE APPLIED PER THE MANUFACTURER'S LABELED RATES.**

**METHODS**

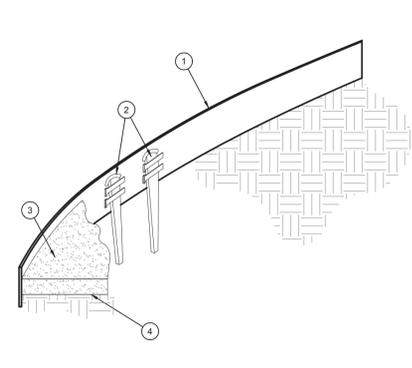
- A. SOIL PREPARATION**
- BEFORE STARTING WORK, THE LANDSCAPE CONTRACTOR SHALL VERIFY THAT THE GRADE OF ALL LANDSCAPE AREAS ARE WITHIN +0.1' OF FINISH GRADE. THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY SHOULD ANY DISCREPANCIES EXIST.
  - SOIL TESTING
    - AFTER FINISH GRADES HAVE BEEN ESTABLISHED, CONTRACTOR SHALL HAVE SOIL SAMPLES FROM THE PROJECT'S LANDSCAPE AREAS TESTED BY AN ESTABLISHED SOIL TESTING LABORATORY. EACH SAMPLE SUBMITTED TO THE LAB SHALL CONTAIN NO LESS THAN ONE QUART OF SOIL, TAKEN FROM BETWEEN THE SOIL SURFACE AND 6" DEPTH. IF NO SAMPLE LOCATIONS ARE INDICATED ON THE PLANS, THE CONTRACTOR SHALL TAKE A MINIMUM OF THREE SAMPLES FROM VARIOUS REPRESENTATIVE LOCATIONS FOR TESTING.
    - THE CONTRACTOR SHALL HAVE THE SOIL TESTING LABORATORY PROVIDE RESULTS FOR THE FOLLOWING: SOIL TEXTURAL CLASS, GENERAL SOIL FERTILITY, pH, ORGANIC MATTER CONTENT, SALT (CEC), LIME, SODIUM ADSORPTION RATIO (SAR) AND BORON CONTENT.
    - THE CONTRACTOR SHALL ALSO SUBMIT THE PROJECT'S PLANT LIST TO THE LABORATORY ALONG WITH THE SOIL SAMPLES.
    - THE SOIL REPORT PRODUCED BY THE LABORATORY SHALL CONTAIN RECOMMENDATIONS FOR THE FOLLOWING (AS APPROPRIATE): SEPARATE SOIL PREPARATION AND BACKFILL MIX RECOMMENDATIONS FOR GENERAL ORNAMENTAL PLANTS, XEROPLANTS, TURF, AND NATIVE SEED, AS WELL AS PRE-PLANT FERTILIZER APPLICATIONS AND RECOMMENDATIONS FOR ANY OTHER SOIL RELATED ISSUES. THE REPORT SHALL ALSO PROVIDE A FERTILIZER PROGRAM FOR THE ESTABLISHMENT PERIOD AND FOR LONG-TERM MAINTENANCE.
  - THE CONTRACTOR SHALL INSTALL SOIL AMENDMENTS AND FERTILIZERS PER THE SOILS REPORT RECOMMENDATIONS. ANY CHANGE IN COST DUE TO THE SOILS REPORT RECOMMENDATIONS, EITHER INCREASE OR DECREASE, SHALL BE SUBMITTED TO THE OWNER WITH THE REPORT.
  - FOR BIDDING PURPOSES ONLY, THE SOIL PREPARATION SHALL CONSIST OF THE FOLLOWING:
    - TURF: INCORPORATE THE FOLLOWING AMENDMENTS INTO THE TOP 8" OF SOIL BY MEANS OF ROTOTILLING AFTER CROSS-RIPPING:
      - NITROGEN STABILIZED ORGANIC AMENDMENT - 4 CU. YDS. PER 1,000 S.F.
      - PREPLANT TURF FERTILIZER (10-20-10 OR SIMILAR, SLOW RELEASE, ORGANIC) - 15 LBS PER 1,000 S.F.
      - "CLAY BUSTER" OR EQUAL - USE MANUFACTURER'S RECOMMENDED RATE.
    - TREES, SHRUBS, AND PERENNIALS: INCORPORATE THE FOLLOWING AMENDMENTS INTO THE TOP 8" OF SOIL BY MEANS OF ROTOTILLING AFTER CROSS-RIPPING:
      - NITROGEN STABILIZED ORGANIC AMENDMENT - 4 CU. YDS. PER 1,000 S.F.
      - 12-12-12 FERTILIZER (OR SIMILAR, ORGANIC, SLOW RELEASE) - 10 LBS. PER CU. YD.
      - "CLAY BUSTER" OR EQUAL - USE MANUFACTURER'S RECOMMENDED RATE.
      - IRON SULPHATE - 2 LBS. PER CU. YD.
  - IN THE CONTEXT OF THESE PLANS, NOTES, AND SPECIFICATIONS, "FINISH GRADE" REFERS TO THE FINAL ELEVATION OF THE SOIL SURFACE (NOT TOP OF MULCH) AS INDICATED ON THE GRADING PLANS.
    - BEFORE STARTING WORK, THE LANDSCAPE CONTRACTOR SHALL VERIFY THAT THE ROUGH GRADES OF ALL LANDSCAPE AREAS ARE WITHIN +0.1' OF FINISH GRADE. SEE SPECIFICATIONS FOR MORE DETAILED INSTRUCTION ON TURF AREA AND PLANTING BED PREPARATION.
    - CONSTRUCT AND MAINTAIN FINISH GRADES AS SHOWN ON GRADING PLANS, AND CONSTRUCT AND MAINTAIN SLOPES AS RECOMMENDED BY THE GEOTECHNICAL REPORT. ALL LANDSCAPE AREAS SHALL HAVE POSITIVE DRAINAGE AWAY FROM STRUCTURES AT THE MINIMUM SLOPE SPECIFIED IN THE REPORT AND ON THE GRADING PLANS, AND AREAS OF POTENTIAL PONDING SHALL BE REGRADED TO BLEND IN WITH THE SURROUNDING GRADES AND ELIMINATE PONDING POTENTIAL.
    - THE LANDSCAPE CONTRACTOR SHALL DETERMINE WHETHER OR NOT THE EXPORT OF ANY SOIL WILL BE NEEDED, TAKING INTO ACCOUNT THE ROUGH GRADE PROVIDED. THE AMOUNT OF SOIL AMENDMENTS TO BE ADDED BASED ON A SOIL TEST, PER SPECIFICATIONS, AND THE FINISH GRADES TO BE ESTABLISHED.
    - ENSURE THAT THE FINISH GRADE IN SHRUB AREAS IMMEDIATELY ADJACENT TO WALKS AND OTHER WALKING SURFACES, AFTER INSTALLING SOIL AMENDMENTS, IS 3" BELOW THE ADJACENT FINISH SURFACE, IN ORDER TO ALLOW FOR PROPER MULCH DEPTH. TAPER THE SOIL SURFACE TO MEET FINISH GRADE, AS SPECIFIED ON THE GRADING PLANS, AT APPROXIMATELY 18" AWAY FROM THE WALKS.
    - ENSURE THAT THE FINISH GRADE IN TURF AREAS IMMEDIATELY ADJACENT TO WALKS AND OTHER WALKING SURFACES, AFTER INSTALLING SOIL AMENDMENTS, IS 1" BELOW THE FINISH SURFACE OF THE WALKS. TAPER THE SOIL SURFACE TO MEET FINISH GRADE, AS SPECIFIED ON THE GRADING PLANS, AT APPROXIMATELY 18" AWAY FROM THE WALKS.
    - SHOULD ANY CONFLICTS AND/OR DISCREPANCIES ARISE BETWEEN THE GRADING PLANS, GEOTECHNICAL REPORT, THESE NOTES AND PLANS, AND ACTUAL CONDITIONS, THE CONTRACTOR SHALL IMMEDIATELY BRING SUCH ITEMS TO THE ATTENTION OF THE LANDSCAPE ARCHITECT, GENERAL CONTRACTOR, AND OWNER.
  - ONCE SOIL PREPARATION IS COMPLETE, THE LANDSCAPE CONTRACTOR SHALL ENSURE THAT THERE ARE NO DEBRIS, TRASH, OR STONES LARGER THAN 1" REMAINING IN THE TOP 6" OF SOIL.

**SUBMITTALS**

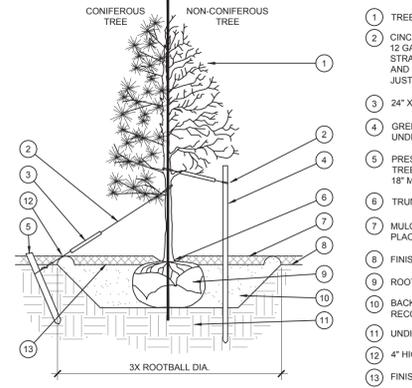
- THE CONTRACTOR SHALL PROVIDE SUBMITTALS AND SAMPLES, IF REQUIRED, TO THE LANDSCAPE ARCHITECT, AND RECEIVE APPROVAL, IN WRITING, FOR SUCH SUBMITTALS BEFORE WORK COMMENCES.
- SUBMITTALS SHALL INCLUDE PHOTOS OF PLANTS WITH A RULER OR MEASURING STICK FOR SCALE, PHOTOS OR SAMPLES OF ANY REQUIRED MULCHES, AND SOIL TEST RESULTS AND PREPARATION RECOMMENDATIONS FROM THE TESTING LAB (INCLUDING COMPARISON OF FERTILIZER RATES AND TYPES, AND OTHER AMENDMENTS FOR TREE/SHRUB, TURF, AND SEED AREAS AS MAY BE APPROPRIATE).
- SUBMITTALS SHALL ALSO INCLUDE MANUFACTURER CUT SHEETS FOR PLANTING ACCESSORIES SUCH AS TREE STAKES AND TIES, EDGING, AND LANDSCAPE FABRICS (IF ANY).
- WHERE MULTIPLE ITEMS ARE SHOWN ON A PAGE, THE CONTRACTOR SHALL CLEARLY INDICATE THE ITEM BEING CONSIDERED.

**GENERAL PLANTING**

- REMOVE ALL NURSERY TAGS AND STAKES FROM PLANTS.
- EXCEPT IN AREAS TO BE PLANTED WITH ORNAMENTAL GRASSES, APPLY PRE-EMERGENT HERBICIDES AT THE MANUFACTURER'S RECOMMENDED RATE.
- TRENCHING NEAR EXISTING TREES:
  - CONTRACTOR SHALL NOT DISTURB ROOTS 1-1/2" AND LARGER IN DIAMETER WITHIN THE CRITICAL ROOT ZONE (CRZ) OF EXISTING TREES, AND SHALL EXERCISE ALL POSSIBLE CARE AND PRECAUTIONS TO AVOID INJURY TO TREE ROOTS, TRUNKS, AND BRANCHES. THE CRZ IS DEFINED AS A CIRCULAR AREA EXTENDING OUTWARD FROM THE TREE TRUNK, WITH A RADIUS EQUAL TO 1" FOR EVERY 1" OF TRUNK DIAMETER TO THE NEAREST ADJACENT 45° ABOVE THE ADRSAGE GRADE AT THE TRUNK.
  - ALL EXCAVATION WITHIN THE CRZ SHALL BE PERFORMED USING HAND TOOLS. NO MACHINE EXCAVATION OR TRENCHING OF ANY KIND SHALL BE ALLOWED WITHIN THE CRZ.
  - ALTER ALIGNMENT OF PIPE TO AVOID TREE ROOTS 1-1/2" AND LARGER IN DIAMETER. WHERE TREE ROOTS 1-1/2" AND LARGER IN DIAMETER ARE ENCOUNTERED IN THE FIELD, TUNNEL UNDER SUCH ROOTS. WRAP EXPOSED ROOTS WITH SEVERAL LAYERS OF BURLAP AND KEEP MOIST. CLOSE ALL TRENCHES WITHIN THE CANOPY DRIP LINES WITHIN 24 HOURS.
  - ALL SEVERED ROOTS SHALL BE HAND PRUNED WITH SHARP TOOLS AND ALLOWED TO AIR-DRY. DO NOT USE ANY SORT OF SEALERS OR WOUND PAINTS.
- TREE PLANTING
  - TREE PLANTING HOLES SHALL BE EXCAVATED TO MINIMUM WIDTH OF TWO TIMES THE WIDTH OF THE ROOTBALL AND TO A DEPTH EQUAL TO THE DEPTH OF THE ROOTBALL LESS TWO TO FOUR INCHES.
  - SCARIFY THE SIDES AND BOTTOM OF THE PLANTING HOLE PRIOR TO THE PLACEMENT OF THE TREE. REMOVE ANY CLUMP (SOD) THAT MAY HAVE BEEN CAUSING BURNING THE EXCAVATION OF THE HOLE.
  - FOR CONTAINER AND BOX TREES, TO REMOVE ANY POTENTIALLY GIRDLING ROOTS AND OTHER ROOT DEFECTS, THE CONTRACTOR SHALL SHAVE A 1" LAYER OFF OF THE SIDES AND BOTTOM OF THE ROOTBALL OF ALL TREES JUST BEFORE PLACING INTO THE PLANTING PIT. DO NOT "TEASE" ROOTS OUT FROM THE ROOTBALL.
  - INSTALL THE TREE ON UNDISTURBED SUBGRADE SO THAT THE TOP OF THE ROOTBALL IS TWO TO FOUR INCHES ABOVE THE SURROUNDING GRADE.
  - BACKFILL THE TREE HOLE UTILIZING THE EXISTING TOPSOIL FROM ON-SITE. ROCKS LARGER THAN 1" DIA. AND ALL OTHER DEBRIS SHALL BE REMOVED FROM THE SOIL PRIOR TO THE BACKFILL. SHOULD ADDITIONAL SOIL BE REQUIRED TO ACCOMPLISH THIS TASK, USE STORED TOPSOIL FROM ON-SITE OR IMPORT ADDITIONAL TOPSOIL FROM OFF-SITE AT THE DISCRETION OF THE OWNER. IMPORTED TOPSOIL SHALL BE OF SIMILAR TEXTURAL CLASS AND COMPOSITION IN THE ON-SITE SOIL.
  - TREES SHALL NOT BE STAKED UNLESS LOCAL CONDITIONS (SUCH AS HEAVY WINDS OR SLOPES) REQUIRE STAKES TO KEEP TREES FROM TIPPING. SHOULD STAKING BE REQUIRED, THE TOTAL NUMBER OF TREE STAKES (BEYOND THE MINIMUM LISTED BELOW) WILL BE LEFT TO THE LANDSCAPE CONTRACTOR'S DISCRETION. SHOULD ANY TREES FALL OR LEAN, THE LANDSCAPE CONTRACTOR SHALL STRAIGHTEN THE TREE, OR REPLACE IT SHOULD IT BECOME DAMAGED. ADHERE TO THE FOLLOWING GUIDELINES:
    - 1"-2" TREES: TWO STAKES PER TREE
    - 2"-1/2"-4" TREES: THREE STAKES PER TREE
    - TREES OVER 4" CALIPER: GUY OR 4" CALIPER
    - MULTI-TRUNK TREES: THREE STAKES PER TREE MINIMUM. QUANTITY AND POSITIONS AS NEEDED TO STABILIZE THE TREE.
  - UPON COMPLETION OF PLANTING, CONSTRUCT AN EARTH WATERING BASIN AROUND THE TREE. COVER THE INTERIOR OF THE TREE RING WITH MULCH (TYPE AND DEPTH PER PLANS).
- SHRUB, PERENNIAL, AND GROUND COVER PLANTING
  - DIG THE PLANTING HOLES TWICE AS WIDE AND 2" LESS DEEP THAN EACH PLANT'S ROOTBALL. INSTALL THE PLANT IN THE HOLE. BACKFILL AROUND THE PLANT WITH SOIL AMENDED PER SOIL TEST RECOMMENDATIONS.
  - WHEN PLANTING IS COMPLETE, INSTALL MULCH (TYPE AND DEPTH PER PLANS) OVER ALL PLANTING BEDS, COVERING THE ENTIRE PLANTING AREA.
- SODDING
  - SOD VARIETY TO BE AS SPECIFIED ON THE LANDSCAPE PLAN.
  - LAY SOD WITHIN 24 HOURS FROM THE DATE OF STAKING. DO NOT LAY IF THE GROUND IS FROZEN.
  - LAY THE SOD TO FORM A SOLID MASS WITH TIGHTLY FITTED JOINTS. BUTT ENDS AND SIDES OF SOD STRIPS - DO NOT OVERLAP. STAGGER STRIPS TO OFFSET JOINTS IN ADJACENT COURSES.
  - ROLL THE SOD TO ENSURE THE SOD'S ROOT SYSTEM WITH THE SOIL UNDERNEATH.
  - WATER THE SOD THOROUGHLY WITH A FINE SPRAY IMMEDIATELY AFTER PLANTING TO OBTAIN AT LEAST SIX INCHES OF PENETRATION INTO THE SOIL BELOW THE SOD.
- HYDROMULCHING
  - TURF HYDROMULCH MIX (PER 1,000 SF) SHALL BE AS FOLLOWS:
    - WINTER MIX (OCTOBER 1 - MARCH 31)
      - 50# CELLULOSE FIBER MULCH
      - 2# KENTUCKY BLUEGRASS SEED
      - 2# ANNUAL RYE SEED
      - 15# 15-15 WATER SOLUBLE FERTILIZER
    - SUMMER MIX (APRIL 1 - SEPTEMBER 30)
      - 50# CELLULOSE FIBER MULCH
      - 2# KENTUCKY BLUEGRASS SEED
      - 15# 15-15 WATER SOLUBLE FERTILIZER
  - SEED HYDROMULCH MIX (PER 1,000 SF) SHALL BE AS FOLLOWS:
    - GENERAL
      - 50# CELLULOSE FIBER MULCH
      - 15# 15-15 WATER SOLUBLE FERTILIZER
    - SEED RATE PER LEGEND
- MULCH
  - INSTALL MULCH TOPDRESSING, TYPE AND DEPTH PER MULCH NOTE, IN ALL PLANTING AREAS AND TREE RINGS. DO NOT INSTALL MULCH WITHIN 6" OF TREE ROOT FLARE AND WITHIN 24" OF HABITABLE STRUCTURES, EXCEPT AS MAY BE NOTED ON THESE PLANS. MULCH COVER WITHIN 6" OF CONCRETE WALKS AND CURBS SHALL NOT PROTRUDE ABOVE THE FINISH SURFACE OF THE WALKS AND CURBS. MULCH COVER WITHIN 12" OF WALLS SHALL BE AT LEAST 3" LOWER THAN THE TOP OF WALL.
- CLEAN UP
  - DURING LANDSCAPE PREPARATION AND PLANTING, KEEP ALL PROJECT CLEAN AND ALL WORK AREAS IN A NEAT, ORDERLY CONDITION.
  - DISPOSED LEGALLY OF ALL EXCAVATED MATERIALS OFF THE PLANTING SITE.
- INSPECTION AND ACCEPTANCE
  - UPON COMPLETION OF THE WORK, THE LANDSCAPE CONTRACTOR SHALL PROVIDE THE SITE CLEAN, FREE OF DEBRIS AND TRASH, AND SUITABLE FOR USE AS INTENDED. THE LANDSCAPE CONTRACTOR SHALL THEN REQUEST AN INSPECTION BY THE OWNER TO DETERMINE FINAL ACCEPTABILITY.
  - WHEN THE INSPECTED PLANTING WORK DOES NOT COMPLY WITH THE CONTRACT DOCUMENTS, THE LANDSCAPE CONTRACTOR SHALL REPLACE AND/OR REPAIR THE REJECTED WORK TO THE OWNER'S SATISFACTION WITHIN 24 HOURS.
  - THE LANDSCAPE MAINTENANCE PERIOD WILL NOT COMMENCE UNTIL THE LANDSCAPE WORK HAS BEEN RE-INSPECTED BY THE OWNER AND FOUND TO BE ACCEPTABLE. AT THAT TIME, A WRITTEN NOTICE OF FINAL ACCEPTANCE WILL BE ISSUED BY THE OWNER, AND THE MAINTENANCE AND GUARANTEE PERIODS WILL COMMENCE.
- LANDSCAPE MAINTENANCE
  - THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL WORK SHOWN ON THESE PLANS FOR 90 DAYS BEYOND FINAL ACCEPTANCE OF ALL LANDSCAPE WORK BY THE OWNER.
  - LANDSCAPE MAINTENANCE SHALL INCLUDE WEEKLY SITE VISITS FOR THE FOLLOWING ACTIONS (AS APPROPRIATE): PROPER PRUNING, RESTAKING OF TREES, RESETING OF PLANTS THAT HAVE SETTLED, MOVING AND AERATION OF LAWNS, WEEDING, RESEEDING AREAS WHICH HAVE NOT GERMINATED WELL, TREATING FOR INSECTS AND DISEASES, REPLACEMENT OF MULCH, REMOVAL OF LITTER, REPAIRS TO THE IRRIGATION SYSTEM DUE TO FAULTY PARTS AND/OR WORKMANSHIP, AND THE APPROPRIATE WATERING OF ALL PLANTINGS. THE LANDSCAPE CONTRACTOR SHALL MAINTAIN THE IRRIGATION SYSTEM IN PROPER WORKING ORDER, WITH SCHEDULING ADJUSTMENTS BY SEASON TO MAXIMIZE WATER CONSERVATION.
  - SHOULD SEEDED AND/OR SODDED AREAS NOT BE COVERED BY AN AUTOMATIC IRRIGATION SYSTEM, THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING THESE AREAS AND OBTAINING A FULL, HEALTHY STAND OF PLANTS AT NO ADDITIONAL COST TO THE OWNER.
  - TO ACHIEVE FINAL ACCEPTANCE AT THE END OF THE MAINTENANCE PERIOD, ALL OF THE FOLLOWING CONDITIONS MUST OCCUR:
    - THE LANDSCAPE CONTRACTOR SHALL SHOW ACTIVE, HEALTHY GROWTH (WITH EXCEPTIONS MADE FOR SEASONAL DORMANCY). ALL PLANTS NOT MEETING THIS CONDITION SHALL BE REJECTED AND REPLACED BY HEALTHY PLANT MATERIAL PRIOR TO FINAL ACCEPTANCE.
    - ALL HARDSCAPE SHALL BE CLEANED PRIOR TO FINAL ACCEPTANCE.
    - SODDED AREAS MUST BE ACTIVELY GROWING, AND MUST REACH A MINIMUM HEIGHT OF 1 1/2 INCHES BEFORE FIRST MOWING. HYDROMULCHED AREAS SHALL SHOW ACTIVE, HEALTHY GROWTH. BARE AREAS LARGER THAN TWELVE SQUARE INCHES MUST BE RESEDED OR RESEEDED (AS APPROPRIATE) PRIOR TO FINAL ACCEPTANCE. ALL SODDED TURF SHALL BE NEATLY MOWED.
- WARRANTY PERIOD, PLANT GUARANTEE AND REPLACEMENTS
  - THE LANDSCAPE CONTRACTOR SHALL GUARANTEE ALL TREES, SHRUBS, PERENNIALS, SOD, SEEDS, AND MULCH AREAS, AND IRRIGATION SYSTEMS, FOR A PERIOD OF ONE YEAR FROM THE DATE OF THE OWNER'S FINAL ACCEPTANCE (90 DAYS FOR ANNUAL PLANTS). THE CONTRACTOR SHALL REPLACE, AT HIS OWN EXPENSE AND TO THE SATISFACTION OF THE OWNER, ANY PLANTS WHICH DIE IN THAT TIME, OR REPAIR ANY PORTIONS OF THE IRRIGATION SYSTEM WHICH OPERATE IMPROPERLY.
  - AFTER THE INITIAL MAINTENANCE PERIOD AND DURING THE GUARANTEE PERIOD, THE LANDSCAPE CONTRACTOR SHALL ONLY BE RESPONSIBLE FOR REPLACEMENT OF PLANTS WHEN PLANT DEATH CANNOT BE ATTRIBUTED DIRECTLY TO OVERWATERING OR OTHER HUMAN ACTIONS.
- PROVIDE A MINIMUM OF (2) COPIES OF RECORD DRAWINGS TO THE OWNER UPON COMPLETION OF WORK. A RECORD DRAWING IS A RECORD OF ALL CHANGES THAT OCCURRED IN THE FIELD AND THAT ARE DOCUMENTED THROUGH CHANGE ORDERS, ADDENDA, OR CONTRACTOR/CONSULTANT DRAWING MARKUPS.

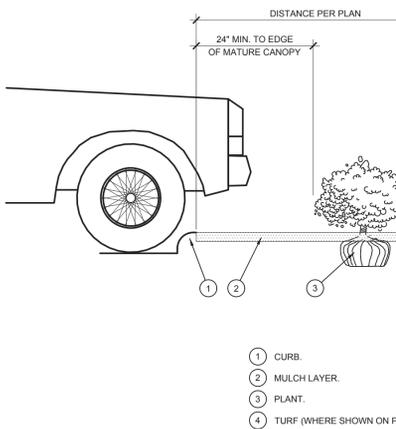


- 1** ROLLED-TOP STEEL EDGING PER PLANS.  
**2** TAPERED STEEL STAKES.  
**3** MULCH, TYPE AND DEPTH PER PLANS.  
**4** FINISH GRADE.
- NOTES:**  
 1) INSTALL EDGING SO THAT STAKES WILL BE ON INSIDE OF PLANTING BED.  
 2) BOTTOM OF EDGING SHALL BE BURIED A MINIMUM OF 1" BELOW FINISH GRADE.  
 3) TOP OF MULCH SHALL BE 1" LOWER THAN TOP OF EDGING.

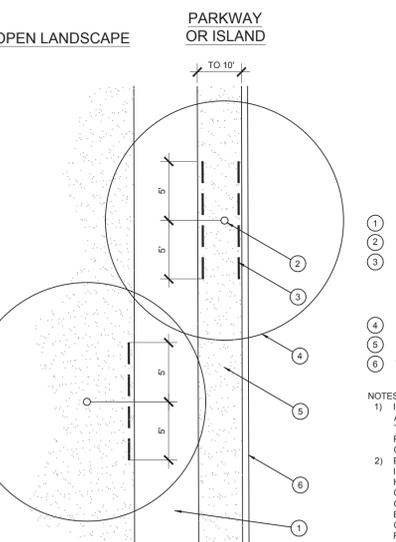


- 1** TREE CANOPY.  
**2** CINCH-TIES (24" BOX/2" CAL. TREES AND SMALLER) OR 12 GAUGE GALVANIZED WIRE WITH NYLON TREE STRAPS AT TREE AND STAKE (36" BOX/3" CAL. TREES AND LARGER). SECURE TIES OR STRAPS TO TRUNK JUST ABOVE LOWEST MAJOR BRANCHES.  
**3** 24" X 3/4" P.V.C. MARKERS OVER WIRES.  
**4** GREEN STEEL T-POSTS. EXTEND POSTS 12" MIN. INTO UNDISTURBED SOIL.  
**5** PRESSURE-TREATED WOOD DEADMAN, TWO PER TREE (MIN.). BURY OUTSIDE OF PLANTING PIT AND 18" MIN. INTO UNDISTURBED SOIL.  
**6** TRUNK FLARE.  
**7** MULCH, TYPE AND DEPTH PER PLANS. DO NOT PLACE MULCH WITHIN 6" OF TRUNK.  
**8** FINISH GRADE.  
**9** ROOT BALL.  
**10** BACKFILL, AMEND AND FERTILIZE ONLY AS RECOMMENDED IN SOIL FERTILITY ANALYSIS.  
**11** UNDISTURBED NATIVE SOIL.  
**12** 4" HIGH EARTHEN WATERING BASIN.  
**13** FINISH GRADE.
- NOTES:**  
 1. VERIFY SIDES OF PLANTING PIT PRIOR TO SETTING TREE.  
 2. REMOVE EXCESS SOIL APPLIED ON TOP OF THE ROOTBALL THAT COVERS THE ROOT FLARE. THE PLANTING HOLE DEPTH SHALL BE SUCH THAT THE ROOTBALL RESTS ON UNDISTURBED SOIL, AND THE ROOT FLARE IS 2"-4" ABOVE FINISH GRADE.  
 3. FOR 8/8 TREES, CUT OFF BOTTOM 1/3 OF WIRE BASKET BEFORE PLANTING TREE. CUT OFF AND REMOVE REMAINDER OF BASKET AFTER TREE IS SET IN HOLE. REMOVE ALL NYLON TIES, TWINE, ROPE, AND OTHER PACKING MATERIAL. REMOVE AS MUCH BURLAP FROM AROUND ROOTBALL AS IS PRACTICAL.  
 4. REMOVE ALL NURSERY STAKES AFTER PLANTING.  
 5. FOR TREES 36" BOX/5" CAL. AND LARGER, USE THREE STAKES OR DEADMAN (AS APPROPRIATE), SPACED EVENLY AROUND TREE.  
 6. STAKING SHALL BE TIGHT ENOUGH TO PREVENT TRUNK FROM BENDING, BUT LOOSE ENOUGH TO ALLOW SOME TRUNK MOVEMENT IN WIND.

**D STEEL EDGING**  
SCALE: NOT TO SCALE

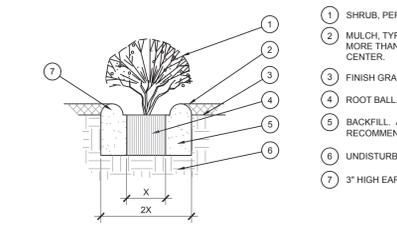


**E PLANTING AT PARKING AREA**  
SCALE: NOT TO SCALE

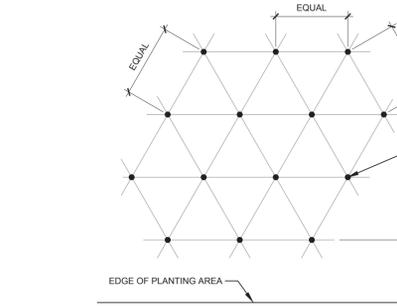


**F ROOT BARRIER - PLAN VIEW**  
SCALE: NOT TO SCALE

**A TREE PLANTING**  
SCALE: NOT TO SCALE



**B SHRUB AND PERENNIAL PLANTING**  
SCALE: NTS



- 1** SHRUB, PERENNIAL, OR ORNAMENTAL GRASS.  
**2** MULCH, TYPE AND DEPTH PER PLANS. PLACE NO MORE THAN 1" OF MULCH WITHIN 6" OF PLANT CENTER.  
**3** FINISH GRADE.  
**4** ROOT BALL.  
**5** BACKFILL, AMEND AND FERTILIZE ONLY AS RECOMMENDED IN SOIL FERTILITY ANALYSIS.  
**6** UNDISTURBED NATIVE SOIL.  
**7** 3" HIGH EARTHEN WATERING BASIN.
- NOTE:** ALL PLANTS SHALL BE PLANTED AT EQUAL TRIANGULAR SPACING (EXCEPT WHERE SHOWN ON PLANS AS INFORMAL GROUPINGS). REFER TO PLANT LEGEND FOR SPACING DISTANCE BETWEEN PLANTS.
- 1) STEP 1: DETERMINE TOTAL PLANTS FOR THE AREA WITH THE FOLLOWING FORMULA:**  
 TOTAL AREA / AREA DIVIDER = TOTAL PLANTS
- | TOTAL SPACING | AREA DIVIDER | PLANT SPACING | AREA DIVIDER |
|---------------|--------------|---------------|--------------|
| 6"            | 0.22         | 18"           | 1.95         |
| 8"            | 0.30         | 24"           | 3.46         |
| 10"           | 0.40         | 30"           | 5.41         |
| 12"           | 0.57         | 36"           | 7.79         |
| 15"           | 1.35         |               |              |
- 2) STEP 2: SUBTRACT THE ROW (S) OF PLANTS THAT WOULD OCCUR AT THE EDGE OF THE PLANTED AREA WITH THE FOLLOWING FORMULA: TOTAL PERIMETER LENGTH / PLANT SPACING = TOTAL PLANT SUBTRACTION**
- EXAMPLE:** PLANTS AT 18" O.C. IN 100 SF PLANTING AREA, 40 LF PERIMETER  
 STEP 1: 100 SF / 1.95 = 51 PLANTS  
 STEP 2: 51 PLANTS - (40 LF / 1.95 = 21 PLANTS) = 30 PLANTS TOTAL
- NOTES:**  
 1) INSTALL ROOT BARRIERS NEAR ALL NEWLY PLANTED TREES THAT ARE LOCATED WITHIN FIVE (5) FEET OF PAVING OR CURBS.  
 2) BARRIERS SHALL BE LOCATED IMMEDIATELY ADJACENT TO HARDSCAPE UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR USE ROOT BARRIERS OF A TYPE OR MATERIAL THAT COMPLETELY ENCIRCLE THE ROOTBALL.

**C PLANT SPACING**  
SCALE: NTS

PRIDE CONVENIENCE STORE

DATE: FEBRUARY 19, 2021

NO. 1

DESIGNED

APPROVED

CHECKED

DATE

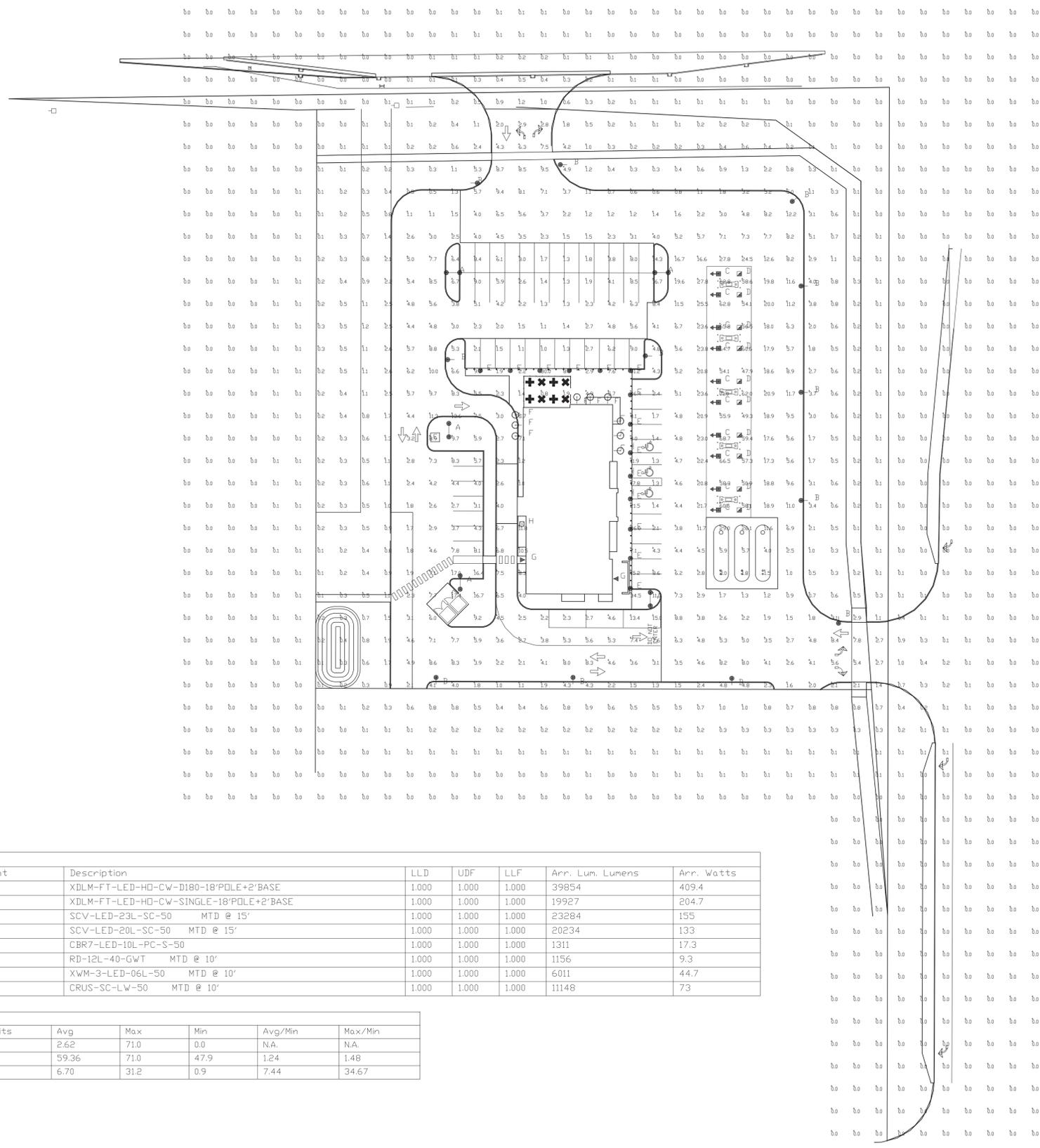
NO.

DESIGNED

APPROVED

DATE

NO.



Luminaire Schedule									
Symbol	Qty	Label	Arrangement	Description	LLD	UDF	LLF	Arr. Lum. Lumens	Arr. Watts
	5	A	D180	XDLM-FT-LED-HD-CW-D180-18"POLE+2"BASE	1.000	1.000	1.000	39854	409.4
	12	B	SINGLE	XDLM-FT-LED-HD-CW-SINGLE-18"POLE+2"BASE	1.000	1.000	1.000	19927	204.7
	10	C	SINGLE	SCV-LED-23L-SC-50 MTD @ 15'	1.000	1.000	1.000	23284	155
	10	D	SINGLE	SCV-LED-20L-SC-50 MTD @ 15'	1.000	1.000	1.000	20234	133
	14	E	SINGLE	CBR7-LED-10L-PC-S-50	1.000	1.000	1.000	1311	17.3
	9	F	SINGLE	RD-12L-40-GWT MTD @ 10'	1.000	1.000	1.000	1156	9.3
	2	G	SINGLE	XWM-3-LED-06L-50 MTD @ 10'	1.000	1.000	1.000	6011	44.7
	1	H	SINGLE	CRUS-SC-LW-50 MTD @ 10'	1.000	1.000	1.000	11148	73

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
ALL_CALC_POINTS	Illuminance	Fc	2.62	71.0	0.0	N.A.	N.A.
CANDPY	Illuminance	Fc	59.36	71.0	47.9	1.24	1.48
INSIDE_CURB	Illuminance	Fc	6.70	31.2	0.9	7.44	34.67

Based on the information provided, all dimensions and luminaire locations shown represent recommended positions. The engineer and/or architect must determine the applicability of the layout to existing or future field conditions.

This lighting plan represents illumination levels calculated from laboratory data taken under controlled conditions in accordance with the Illuminating Engineering Society (IES) approved methods. Actual performance of any manufacturer's luminaires may vary due to changes in electrical voltage, tolerance in lamps/LED's and other variable field conditions. Calculations do not include obstructions such as buildings, curbs, landscaping, or any other architectural elements unless noted. Fixture nomenclature noted does not include mounting hardware or poles. This drawing is for photometric evaluation purposes only and should not be used as a construction document or as a final document for ordering product.

Total Project Watts  
Total Watts = 7871.695

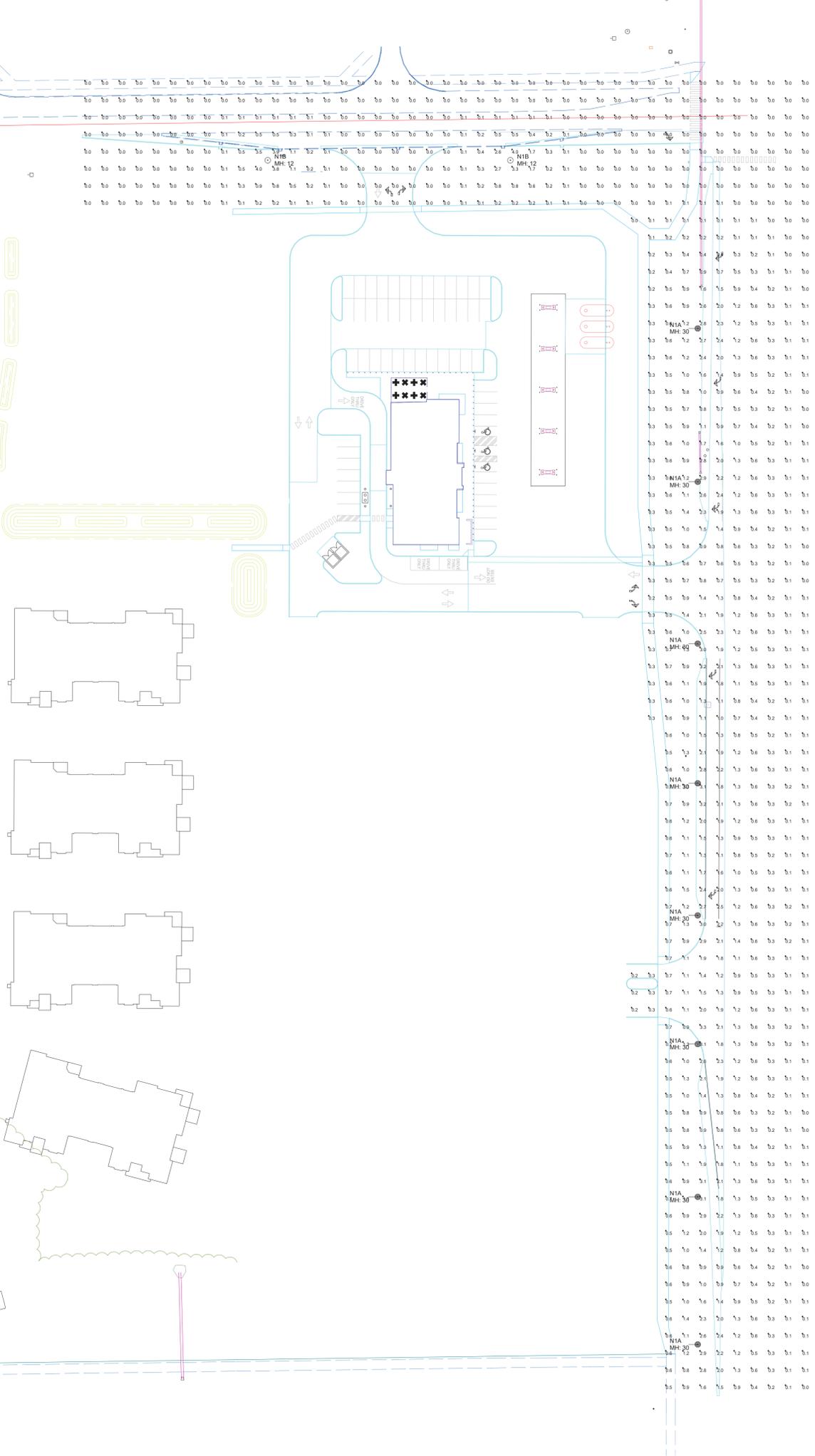


LIGHTING PROPOSAL LO-153292-1

PRIDE  
W 900 N & N 600 W  
MT COMFORT, IN

BY: MVE DATE: 10-21 REV: 3-01-21 SHEET 1 OF 1

SCALE: 1"=40'



Luminaire Schedule						
Symbol	Qty	Label	Arrangement	LLF	Description	Lum. Watts
	8	N1A	SINGLE	0.950	CAL-1-T3-48L-1-30K-SINGLE @ 30'	156
	2	N1B	SINGLE	0.950	SVN-LG1-T5-32L-7-30K-SINGLE @ 12'	71

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
CalcPts_1	Illuminance	Fc	0.54	4.0	0.0	N.A.	N.A.

CAL AND SVN LAYOUT  
 NLS LIGHTING  
 REV 3  
 3/31/21