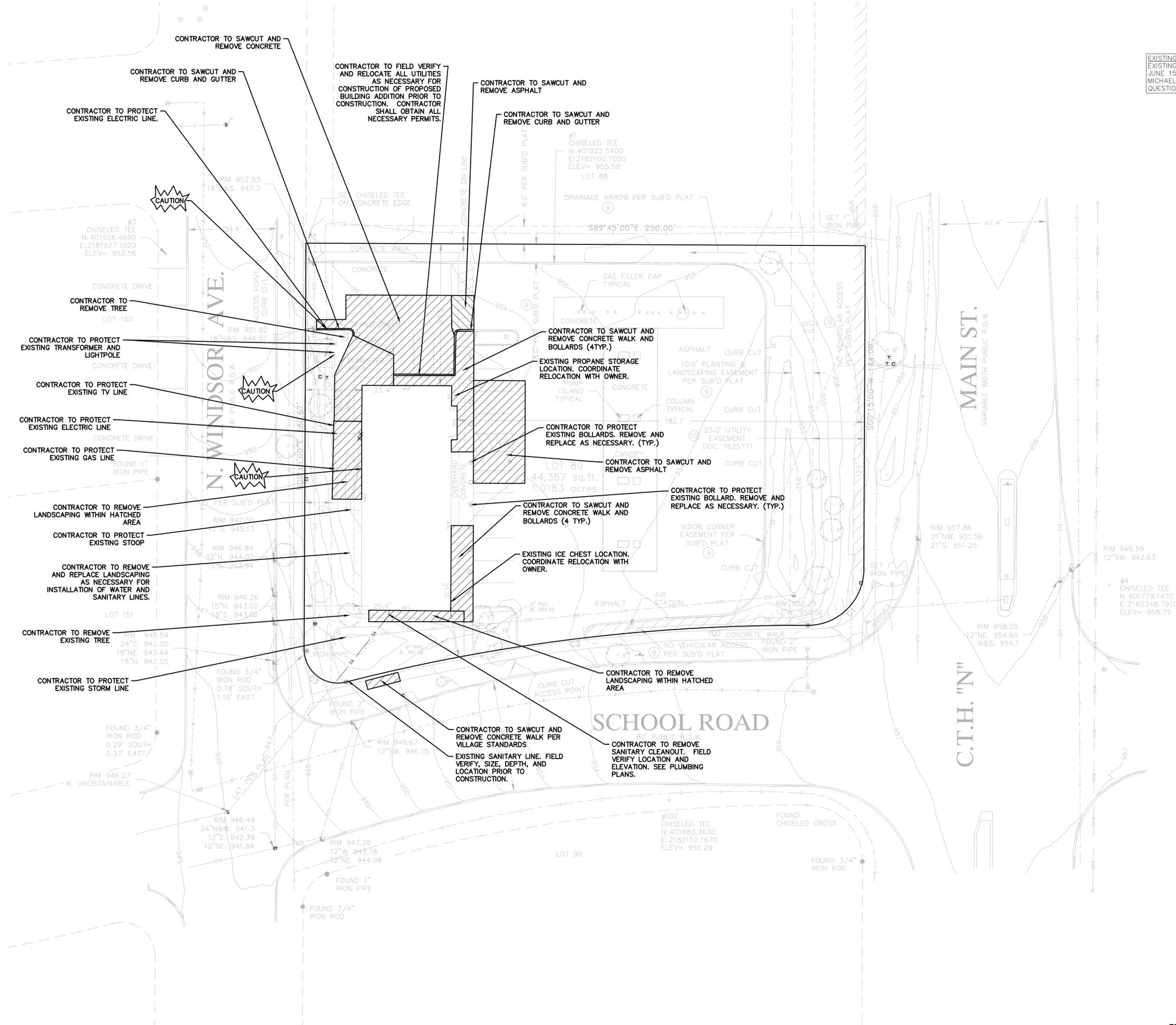


SPECIFICATION NOTE:
SEE SHEET C0.1 FOR PLAN SPECIFICATIONS AND REQUIREMENTS

EXISTING CONDITIONS NOTE:
EXISTING CONDITIONS PER RASMITH SURVEY NO. 168157-RMK DATED JUNE 15, 2020. CONTACT MICHAEL RATZBURG @ MICHAEL.RATZBURG@RASMITH.COM OR 262-781-1000 FOR ANY QUESTIONS REGARDING EXISTING CONDITIONS.



EXCEL
ARCHITECTS • ENGINEERS • SURVEYORS
Always a Better Plan
100 Camelot Drive
Fond Du Lac, WI 54935
Phone: (920) 926-9800
www.EXCELENGINEER.com

COLLABORATION

Kwik TRIP

Kwik STAR

PROJECT INFORMATION

PROPOSED ADDITION FOR:
KWIK TRIP STORE #1512
1100 WINDSOR AVE. • COTTAGE GROVE, WI 53527

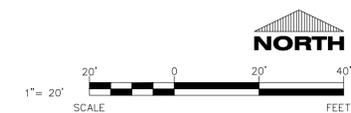
PROFESSIONAL SEAL

SHEET DATES

SHEET ISSUE	SEPT. 18, 2020
REVISIONS	

JOB NUMBER
2028600

SHEET NUMBER
C101



CIVIL EXISTING SITE AND DEMOLITION PLAN

SPECIFICATION NOTE:
SEE SHEET C0.1 FOR PLAN SPECIFICATIONS AND REQUIREMENTS

SITE PLAN KEYNOTES

2	HEAVY DUTY ASPHALT SECTION (TYP.)
3	SIDEWALK CONCRETE(TYP.)
4	LIGHT DUTY CONCRETE (TYP.)
5	HEAVY DUTY CONCRETE (TYP.)
7	CONCRETE STOOP (TYP.) SEE ARCH. PLANS FOR DETAILS.
9	FLUSH WALK (TYP.)
11	CURB RAMP (TYP.)
12	18" CURB & GUTTER (TYP.)
14	CURB TAPER (TYP.)
18	HANDICAP STALL & STRIPING PER STATE CODES.
21	DUMPSTER ENCLOSURE (SEE ARCH PLANS FOR DETAILS)
22	6" CONCRETE BOLLARDS (SEE DETAIL)
26	DETECTABLE WARNING PLATE
28	CONCRETE HVAC PAD BY UTILITY SUPPLIER (CONTRACTOR TO VERIFY FINAL LOCATION & DESIGN PRIOR TO CONSTRUCTION)
29	PAVEMENT STRIPING TO MATCH EXISTING
30	CONCRETE RAMP SYSTEM WITH RAILING. SEE ARCH PLANS FOR DETAILS.
31	DUMPSTER PAD CONCRETE (TYP.)

(X(X)) IDENTIFICATION: KEYNOTE ITEM(QUANTITY) - IF NO () = QUANTITY IS 1

SITE INFORMATION:

LEGAL DESCRIPTION: Lot 89, first addition to Northlawn Estates, recorded in Volume 57-61A of plats on pages 243 and 244 as document No. 2800152 in the Village of Cottage Grove, Dane County, Wisconsin.

PROPERTY AREA: AREA = 44,354 S.F. (1.02 ACRES).

EXISTING ZONING: PB-PLANNED BUSINESS DISTRICT

PROPOSED ZONING: PB-PLANNED BUSINESS DISTRICT

EXISTING/PROPOSED USE: GAS STATION WITH CONVENIENCE STORE

AREA OF SITE DISTURBANCE: 3,354 S.F. (0.08 ACRES)

SETBACKS:

BUILDING:	FRONT = 10'
	SIDE = 10'
	REAR = N/A
STREET:	STREET = 10'
	STREET = 40'
PAVEMENT:	FRONT = 10'
	SIDE = 5'
	REAR = N/A
STREET:	STREET = 10'
	STREET = 10'

PROPOSED BUILDING HEIGHT: 23'-9" (MAX. HEIGHT ALLOWED: 35)

PARKING REQUIRED: 1 SPACE PER 300 S.F. OF GROSS FLOOR AREA (17 SPACES REQ.)

PARKING PROVIDED: 11 EXISTING SPACES (1 H.C. ACCESSIBLE)
8 EXISTING FUEL PUMP SPACES
19 EXISTING SPACES (1 H.C. ACCESSIBLE)

HANDICAP STALLS REQUIRED: 1, HANDICAP STALLS PROVIDED: 1

BUILDING OCCUPANCY CLASSIFICATION = M-MERCANTILE

CLASS OF BUILDING CONSTRUCTION = 5B

LANDSCAPE REQUIREMENTS: MIN. LANDSCAPE SURFACE RATIO: 25%
MAXIMUM LOT COVERAGE - BUILDING ONLY: 30%

EXISTING SITE DATA

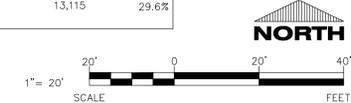
	AREA (AC)	AREA (SF)	RATIO
PROJECT SITE	1.02	44,354	
BUILDING FLOOR AREA	0.09	4,037	9.1%
PAVEMENT (ASP. & CONC.)	0.61	26,494	59.7%
TOTAL IMPERVIOUS	0.70	30,531	68.8%
LANDSCAPE/ OPEN SPACE	0.32	13,823	31.2%

PROPOSED SITE DATA

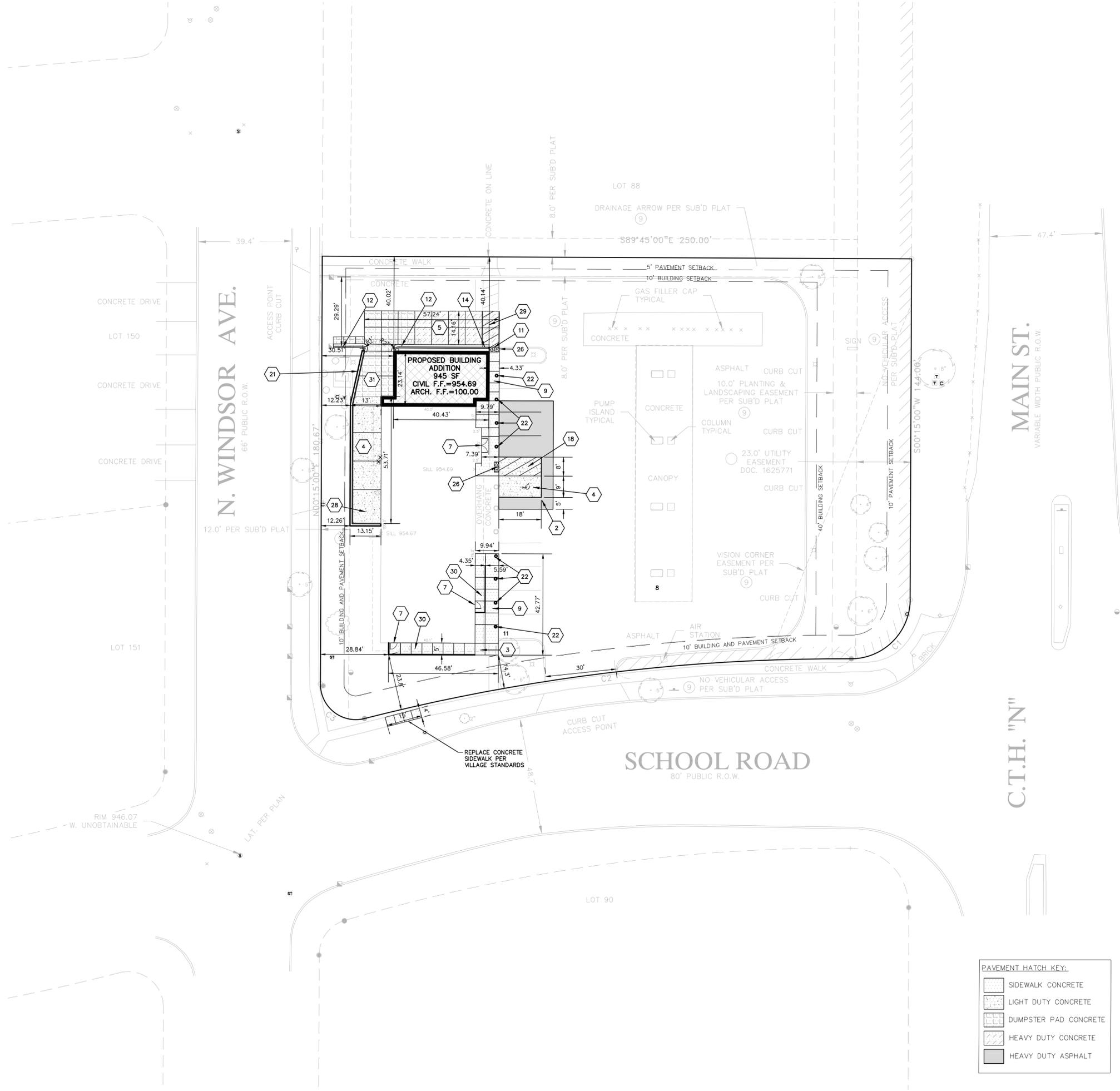
	AREA (AC)	AREA (SF)	RATIO
PROJECT SITE	1.02	44,354	
BUILDING FLOOR AREA	0.11	4,982	11.2%
PAVEMENT (ASP. & CONC.)	0.60	26,257	59.2%
TOTAL IMPERVIOUS	0.72	31,239	70.4%
LANDSCAPE/ OPEN SPACE	0.30	13,115	29.6%

PAVEMENT HATCH KEY:

[Hatch]	SIDEWALK CONCRETE
[Hatch]	LIGHT DUTY CONCRETE
[Hatch]	DUMPSTER PAD CONCRETE
[Hatch]	HEAVY DUTY CONCRETE
[Hatch]	HEAVY DUTY ASPHALT



CIVIL SITE PLAN



EXCEL
ARCHITECTS • ENGINEERS • SURVEYORS
Always a Better Plan
100 Camelot Drive
Fond Du Lac, WI 54935
Phone: (920) 926-9800
www.EXCELENGINEER.com

COLLABORATION

Kwik TRIP

Kwik STAR

PROJECT INFORMATION

PROPOSED ADDITION FOR:
KWIK TRIP STORE #1512
1100 WINDSOR AVE. • COTTAGE GROVE, WI 53527

PROFESSIONAL SEAL

SHEET DATES

SHEET ISSUE: SEPT. 18, 2020

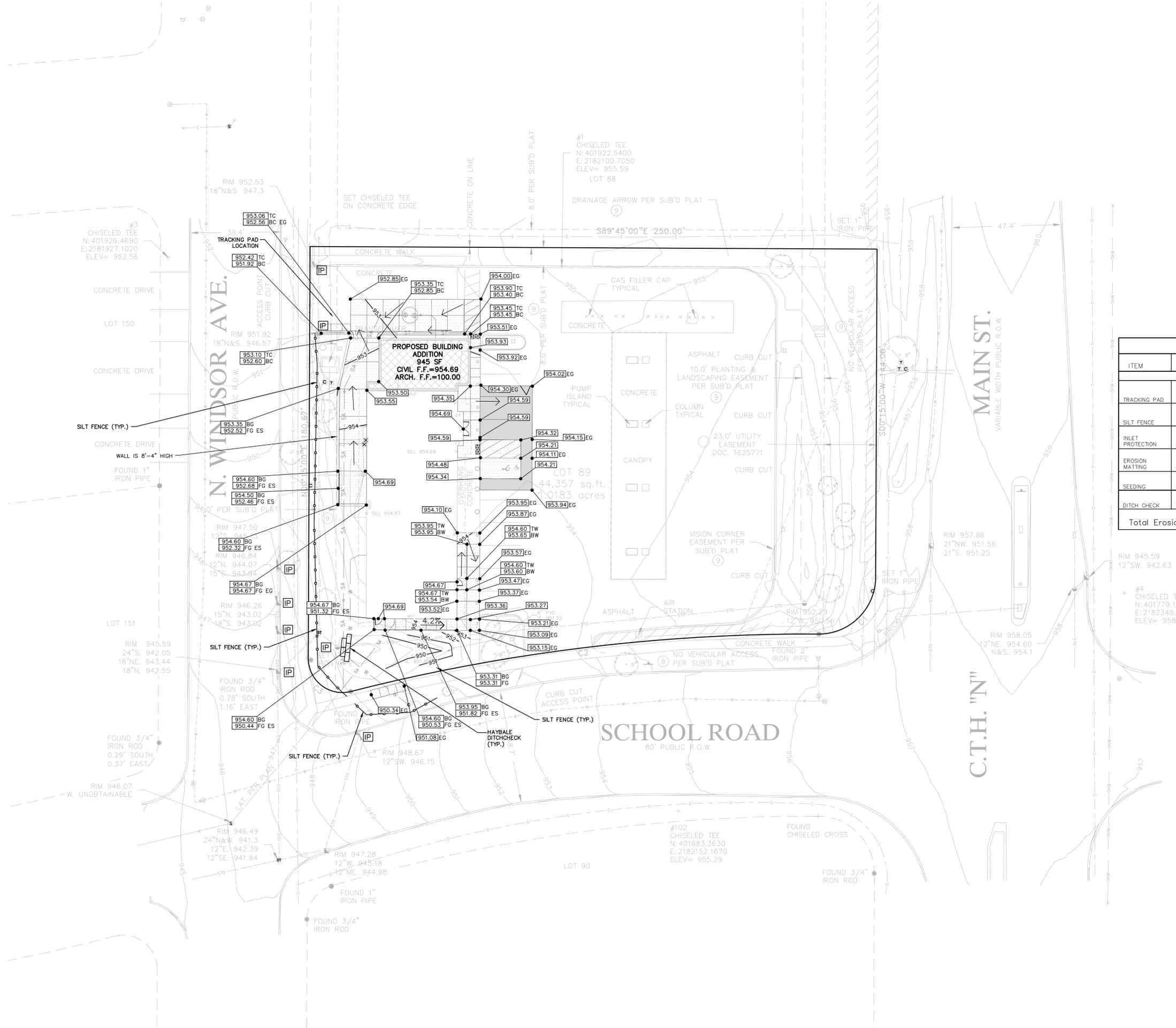
REVISIONS

JOB NUMBER

2028600

SHEET NUMBER

C102



SPECIFICATION NOTE:
SEE SHEET C0.1 FOR PLAN SPECIFICATIONS AND REQUIREMENTS

- NOTES:**
- HANDICAP STALL AND ACCESS AISLES SHALL NOT EXCEED A SLOPE OF 1.50% IN ANY DIRECTION. HANDICAP STALL & ACCESS AISLES SHALL CONFORM TO ADA REQUIREMENTS (CURRENT EDITION)
 - ALL SIDEWALKS SHALL NOT EXCEED A MAXIMUM CROSS SLOPE OF 1.50% AND RUNNING SLOPE OF 4.50% UNLESS OTHERWISE SPECIFIED.

INLET PROTECTION NOTE:

IP CONTRACTOR SHALL PROVIDE TEMPORARY INLET PROTECTION FOR ALL CURB INLETS & CATCH BASINS ONSITE & OFFSITE IMMEDIATELY DOWNSTREAM OF THE PROJECT SITE PER LOCAL CODE.

STABILIZED CONSTRUCTION ENTRANCE NOTE:

CONTRACTOR SHALL PROVIDE STABILIZED CONSTRUCTION ENTRANCE AT CONSTRUCTION ENTRANCE FOR PROPOSED IMPROVEMENTS AS REQUIRED PER CODE.

CONCRETE WASHOUT NOTE:

CONTRACTOR SHALL PROVIDE CONCRETE WASHOUT AS REQUIRED PER CODE. FINAL LOCATION TBD BY CONTRACTOR.

EROSION CONTROL COST ESTIMATION			
ITEM	QUANTITY	COST	TOTAL
TRACKING PAD	1 EA	\$600	\$600
SILT FENCE	205 LF	\$2/LF	\$410
INLET PROTECTION	8	\$150 EA	\$1,200
EROSION MATTING	655 SF	\$2/SF	\$1,310
SEEDING	872 SF	\$2/SF	\$1,744
DITCH CHECK	1 EA	\$100 EA	\$100
Total Erosion Control Cost Estimate =		\$5,364	

EXCEL
ARCHITECTS • ENGINEERS • SURVEYORS
Always a Better Plan
100 Camelot Drive
Fond Du Lac, WI 54935
Phone: (920) 926-9800
www.EXCELENGINEER.com

COLLABORATION

Kwik TRIP

Kwik STAR

PROPOSED ADDITION FOR:

KWIK TRIP STORE #1512

1100 WINDSOR AVE. • COTTAGE GROVE, WI 53527

PROFESSIONAL SEAL

SHEET DATES

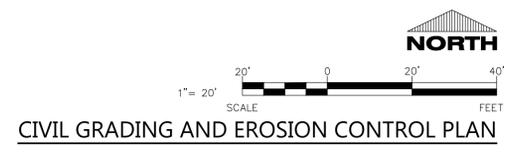
SHEET ISSUE	SEPT. 18, 2020
REVISIONS	

JOB NUMBER

2028600

SHEET NUMBER

C103



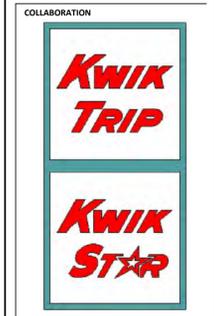
CIVIL GRADING AND EROSION CONTROL PLAN

SPECIFICATION NOTE:
SEE SHEET C0.1 FOR PLAN SPECIFICATIONS AND REQUIREMENTS

DOWNSPOUT NOTE:
[DS] = DENOTES DOWNSPOUT TO STORM SEWER LOCATIONS. CONNECT TO STORM SEWER ABOVE GRADE. SEE ARCH PLANS FOR FINAL LOCATIONS.

CLEANOUT NOTE:
[CO] = DENOTES LOCATIONS WHERE CONTRACTOR SHALL INSTALL CLEANOUTS, SEE C0.1 FOR SPECIFICATION.

STORMWATER COST ESTIMATION			
ITEM	QUANTITY	COST	TOTAL
8" PIPE	64 LF	\$40/LF	\$2,560
6" PIPE	17 LF	\$30/LF	\$510
Total Stormwater Cost Estimate =		\$3,070	



PROJECT INFORMATION

PROPOSED ADDITION FOR:
KWIK TRIP STORE #1512
1100 WINDSOR AVE. • COTTAGE GROVE, WI 53527

SHEET DATES

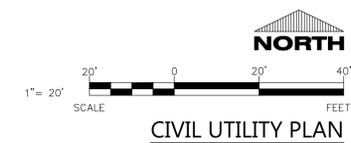
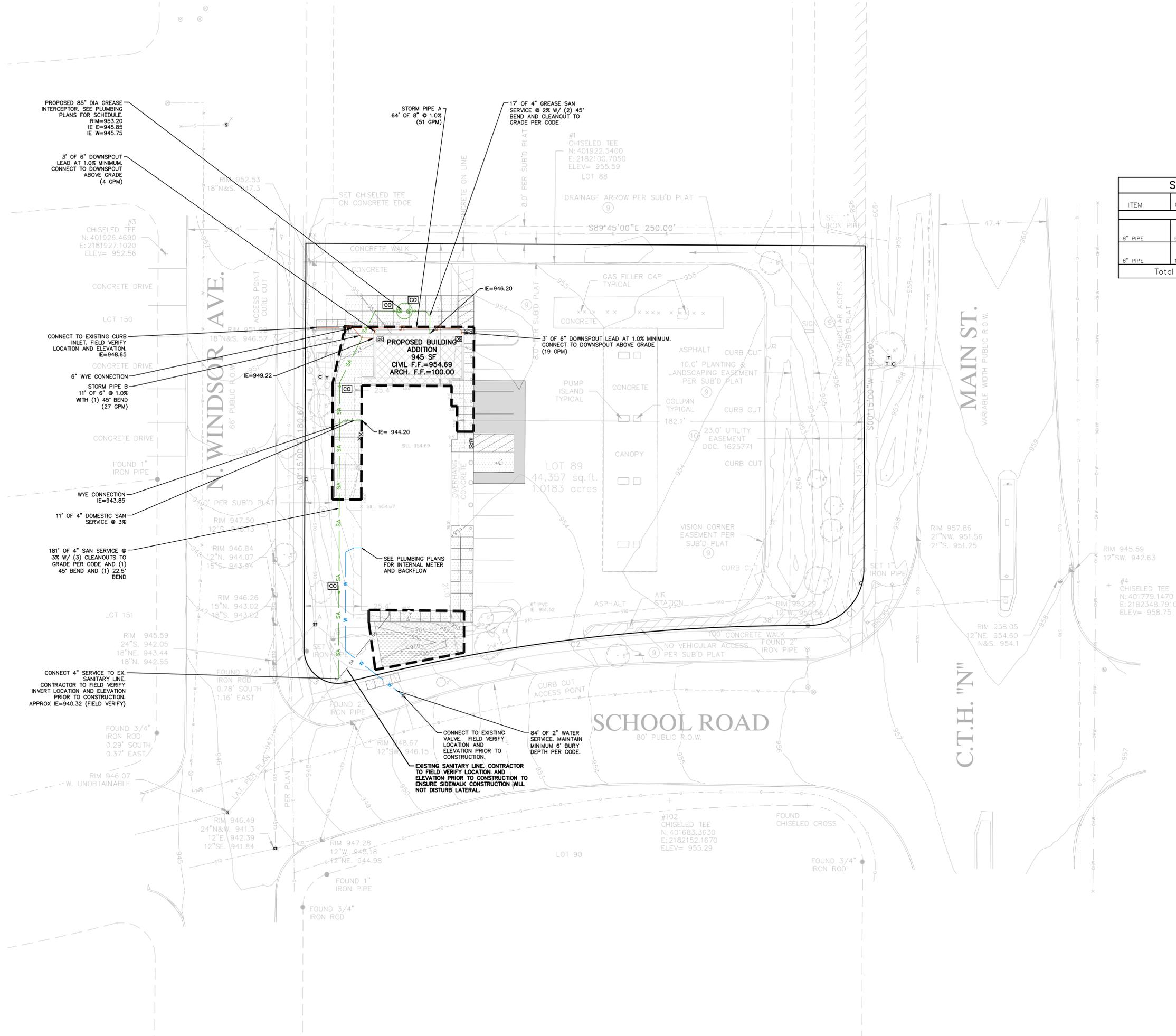
SHEET ISSUE	SEPT. 18, 2020
REVISIONS	

JOB NUMBER

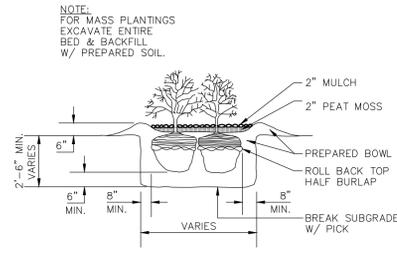
2028600

SHEET NUMBER

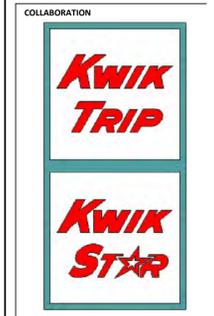
C104



SPECIFICATION NOTE:
SEE SHEET C0.1 FOR PLAN SPECIFICATIONS AND REQUIREMENTS



SHRUB PLANTING DETAIL
NO SCALE



PROJECT INFORMATION

PROPOSED ADDITION FOR:
KWIK TRIP STORE #1512
1100 WINDSOR AVE. • COTTAGE GROVE, WI 53527

PROFESSIONAL SEAL

SHEET DATES

SHEET ISSUE: SEPT. 18, 2020

REVISIONS

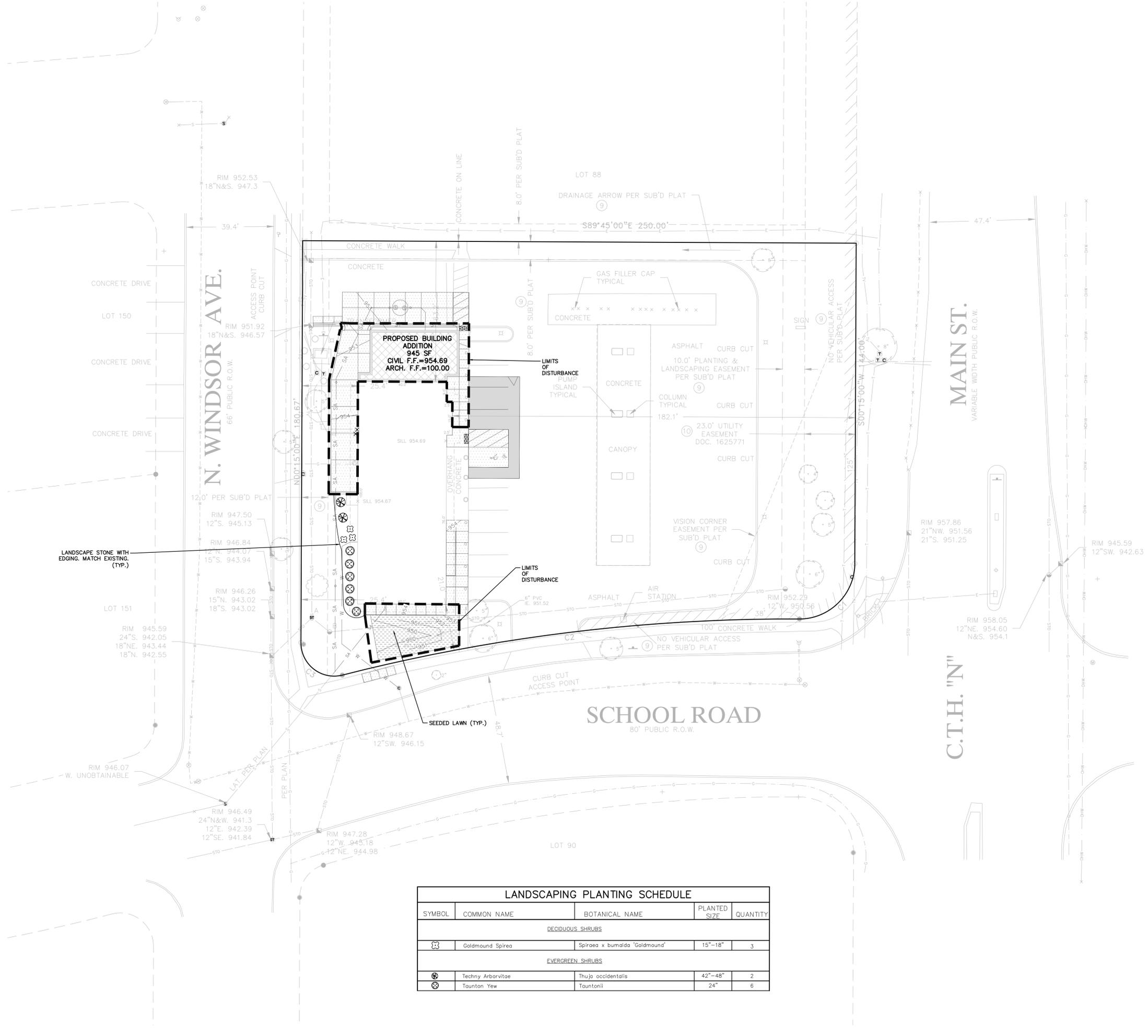
NO.	DATE	DESCRIPTION

JOB NUMBER

2028600

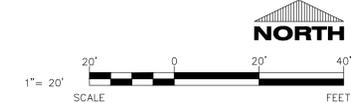
SHEET NUMBER

C105



LANDSCAPING PLANTING SCHEDULE

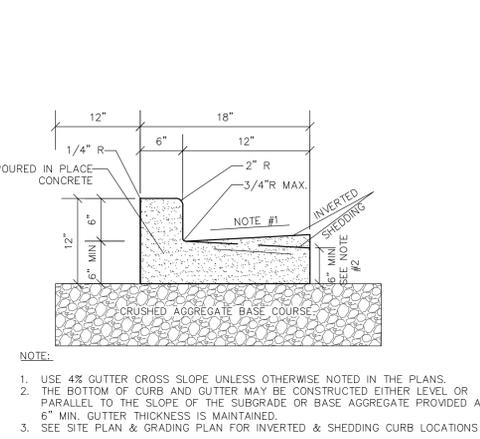
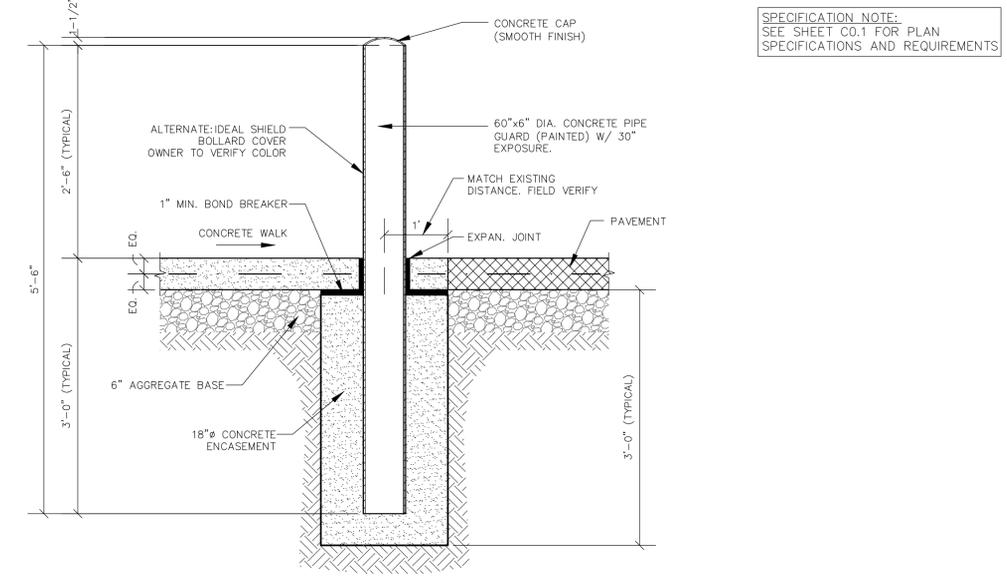
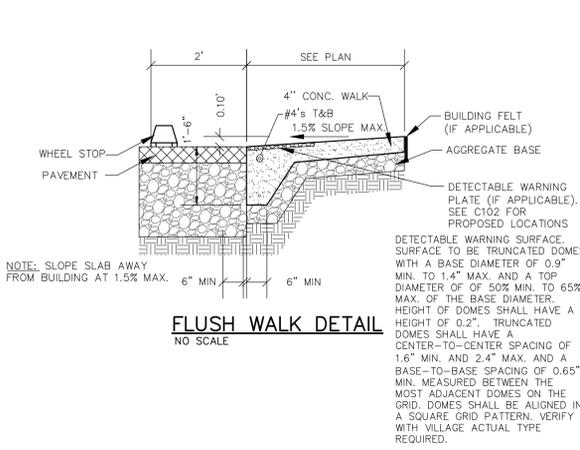
SYMBOL	COMMON NAME	BOTANICAL NAME	PLANTED SIZE	QUANTITY
DECIDUOUS SHRUBS				
☒	Goldmound Spirea	Spiraea x bumalda 'Goldmound'	15"-18"	3
EVERGREEN SHRUBS				
☒	Techny Arborvitae	Thuja occidentalis	42"-48"	2
☒	Taunton Yew	Tauntonii	24"	6



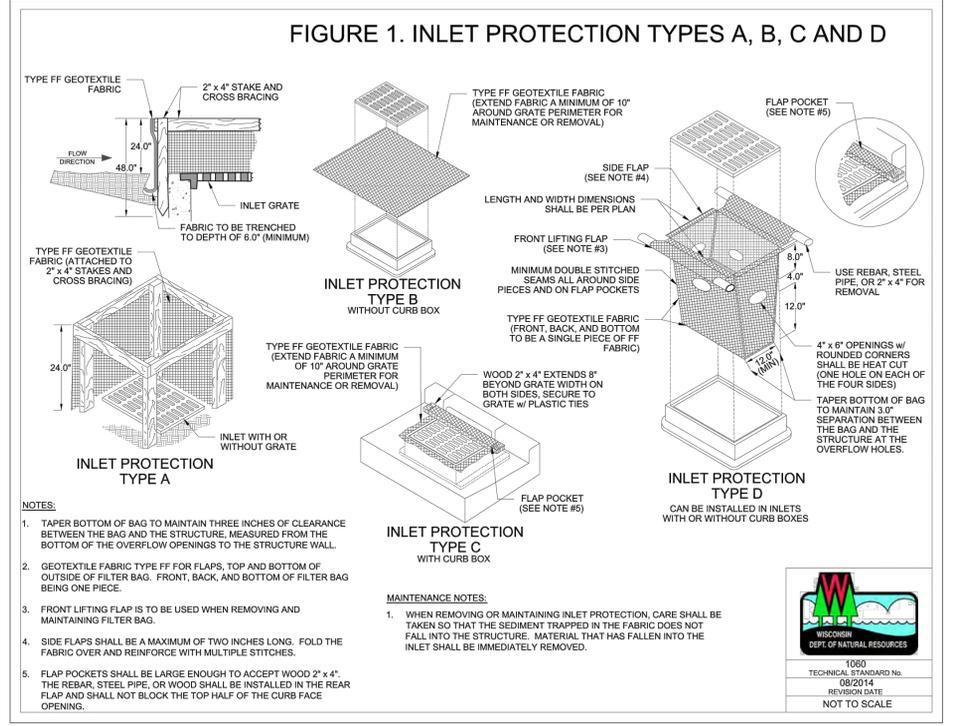
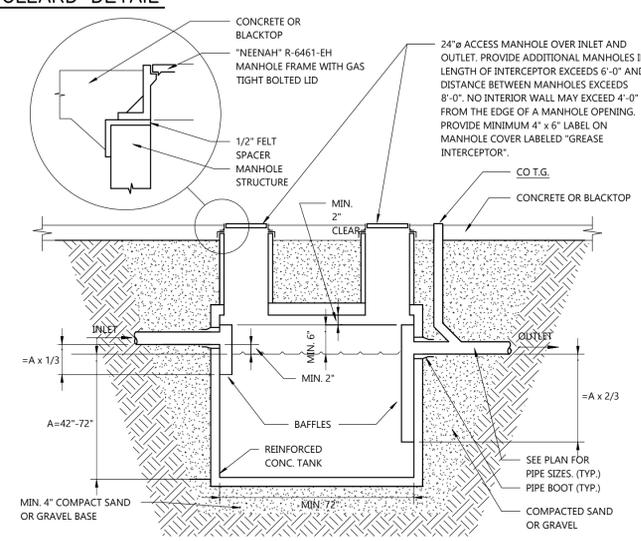
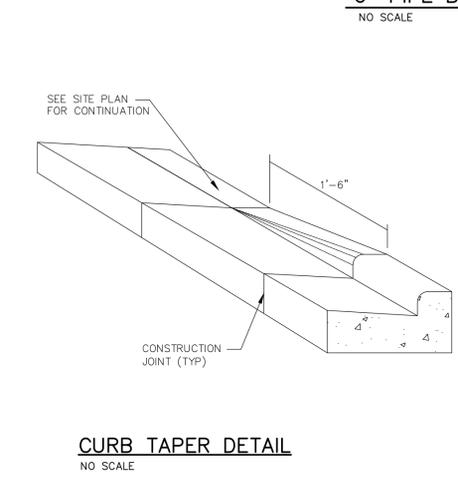
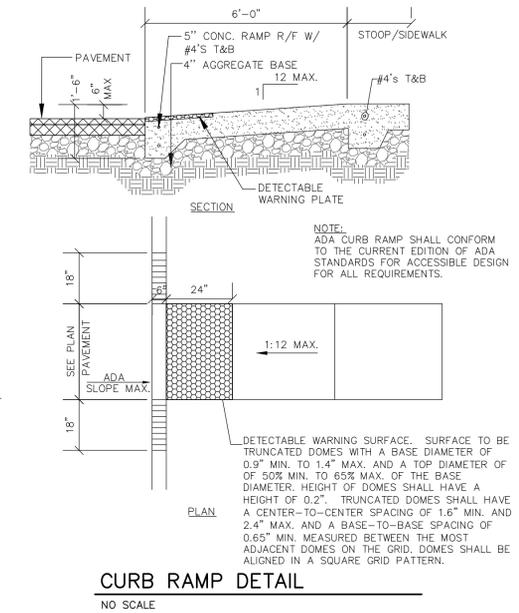
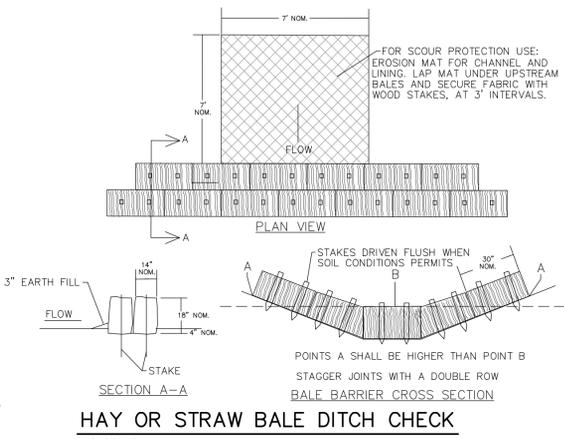
CIVIL LANDSCAPE AND RESTORATION PLAN

CONSTRUCTION SEQUENCE		CONSTRUCTION START: 1/1/2021	CONSTRUCTION END: 1/1/2022
PHASE	TYPE OF ACTION		
1. PRE-CONSTRUCTION ACTION	1. CONTRACTOR TO CALL DIGGERS HOTLINE AT A MINIMUM OF 3 DAYS PRIOR TO CONSTRUCTION. 2. PLACE ALL SILT FENCE. 3. CONSTRUCT TRACKING STONE ENTRANCES. 4. CONSTRUCT ANY TEMPORARY STORMWATER CONVEYANCE SYSTEMS AS NEEDED. 5. STABILIZE ALL TEMPORARY AND PERMANENT EROSION CONTROL AND STORMWATER CONVEYANCE SYSTEMS.		
2. CONSTRUCTION ACTION	1. SITE DEMOLITION AS REQUIRED. 2. BEGIN MASS EARTH WORK FOR THE BUILDING PAD AND PAVEMENT AREAS. 3. CONSTRUCT ANY REMAINING STORMWATER CONVEYANCE SYSTEMS, AND INSTALL ALL OTHER UTILITIES ON SITE. 4. DIG AND POUR ALL BUILDING FOOTINGS. 5. PLACE GRAVEL FOR ALL PROPOSED PAVEMENT AREAS. 6. TOPSOIL, SEED, AND MULCH ALL DISTURBED AREAS OUTSIDE THE BUILDING AND PROPOSED PAVEMENT AREAS. 7. CONSTRUCT BUILDING. 8. PAVE DRIVEWAYS AND PARKING AREAS. 9. TOPSOIL, SEED, AND MULCH ALL OTHER DISTURBED AREAS.		
3. POST CONSTRUCTION ACTION	1. CONTRACTOR TO REMOVE TEMPORARY EROSION CONTROL MEASURES UPON SITE STABILIZATION.		

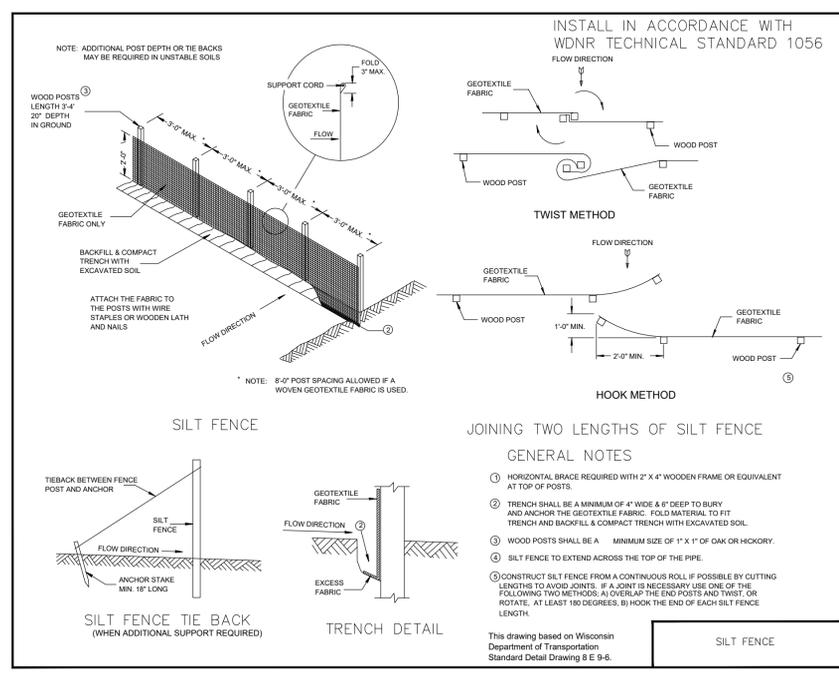
CONTRACTOR TO FOLLOW THE EROSION CONTROL SPECIFICATIONS FOR CONSTRUCTION EROSION CONTROL INSPECTION AND MAINTENANCE.



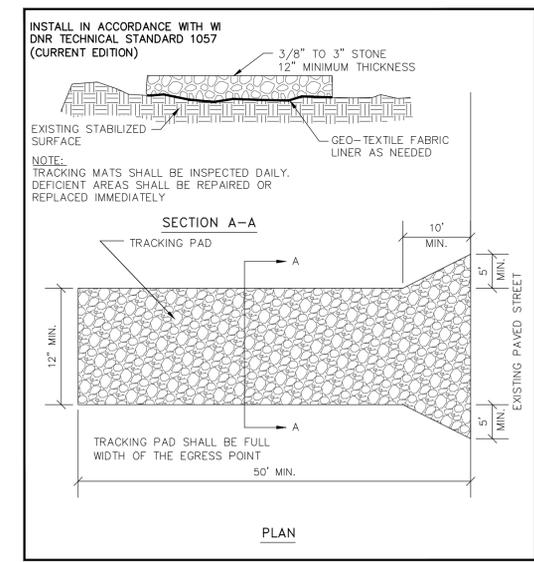
18" CONCRETE CURB & GUTTER DETAIL
NO SCALE



INLET PROTECTION DETAIL
NO SCALE



SILT FENCE -- INSTALLATION DETAIL
NO SCALE



TRACKPAD DETAILS
NO SCALE

CIVIL DETAILS

EXCEL
ARCHITECTS • ENGINEERS • SURVEYORS
Always a Better Plan
100 Camelot Drive
Fond Du Lac, WI 54935
Phone: (920) 926-9800
www.EXCELENGINEER.com

COLLABORATION

Kwik TRIP

Kwik STAR

PROJECT INFORMATION

PROPOSED ADDITION FOR:

KWIK TRIP STORE #1512

1100 WINDSOR AVE. • COTTAGE GROVE, WI 53527

PROFESSIONAL SEAL

SHEET DATES	
SHEET ISSUE	SEPT. 18, 2020
REVISIONS	

JOB NUMBER
2028600

SHEET NUMBER
C200

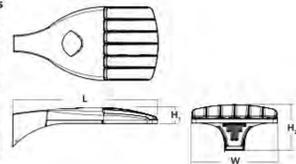


D-Series Size 0 LED Area Luminaire



Specifications

EPA: 0.95 ft² (0.09m²)
 Length: 26" (0.66m)
 Width: 13" (0.33m)
 Height: 3" (0.08m)
 Weight: 16 lbs (7.3kg)



Introduction
 The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment. The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire. The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing up to 400W metal halide with typical energy savings of 70% and expected service life of over 100,000 hours.

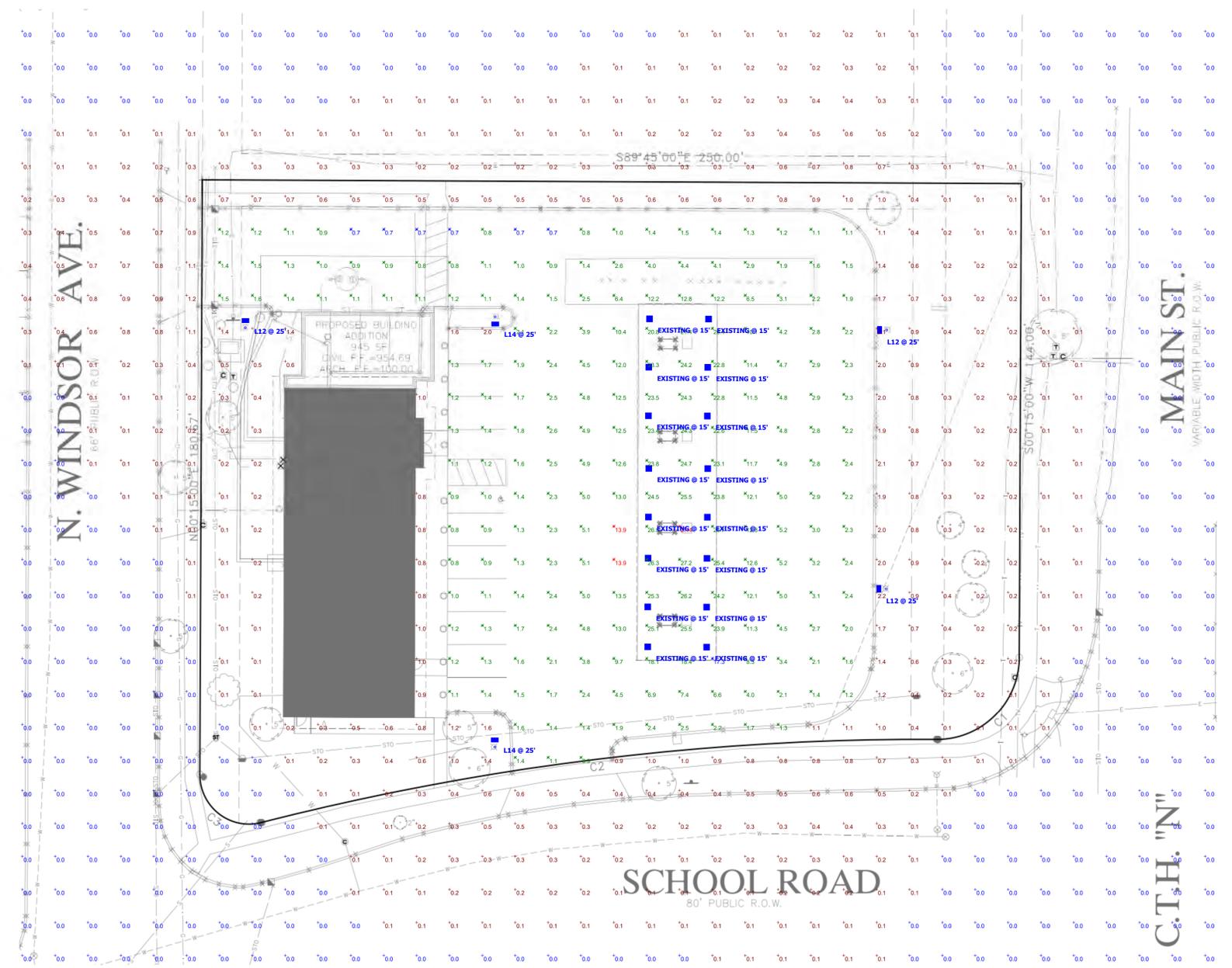
Ordering Information

EXAMPLE: DSK0 LED P6 40K T3M MVOLT SPA NLTAR2 PIRNH DDBXD

DSK0 LED	LED's	Light temperature	Beam/diameter	Package	Mounting	Notes
DSK0 LED	Forward optics	30K 3000K	T15 Type II short (downward)	T55 Type II short	MVOLT**	Shipped included
P1	P4	P7	T25 Type II short	T3M Type II medium	120V	SPA Square pole mounting
P2	P5	P8	T3M Type II medium	T5W Type II wide	208V	SPA Square pole mounting
P3	P6	P9	T55 Type II short	T5W Type II wide	240V	SPA Square pole mounting
Retained optics	P10	P12	T3M Type II medium	LCO Left corner cast	277V	SPUNBA Square pole universal mounting adapter**
P11	P13	P14	T55 Type II short	RCC Right corner cast	347V	SPUNBA Square pole universal mounting adapter**
P15	P16	P17	T55 Type II short	T5W Type II wide	480V	Shipped separately KXBA DDBXD U Must use mounting bracket adapter (specify length)

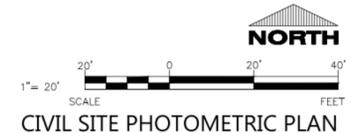
Control option	Mounting option	Finish
Shipped installed	PIR High flow, mid-mount sensor, 0-15' mounting height, ambient sensor, max. 40' height	DBBD Dark bronze
NLTAR2 100000 hr. lifetime, 2-wire, 120V	PIRH High flow, mid-mount sensor, 0-15' mounting height, ambient sensor, max. 40' height	DBSD Black
PIRHH Network, high flow, mid-mount sensor, 120V	PIRHCIV High flow, mid-mount sensor, 0-15' mounting height, ambient sensor, max. 40' height	QMKD Natural aluminum
PER Network, high flow, mid-mount sensor, 120V	PIRHCIV High flow, mid-mount sensor, 0-15' mounting height, ambient sensor, max. 40' height	QWVD White
PER5 Five-pin, rectangular, only (for use with external sensor)	PIRHCIV High flow, mid-mount sensor, 0-15' mounting height, ambient sensor, max. 40' height	QWVD White
PER7 Seven-pin, rectangular, only (for use with external sensor)	PIRHCIV High flow, mid-mount sensor, 0-15' mounting height, ambient sensor, max. 40' height	QWVD White
DMG 0-15' mounting sensor, only (for use with external sensor)	PIRHCIV High flow, mid-mount sensor, 0-15' mounting height, ambient sensor, max. 40' height	QWVD White

LITHONIA LIGHTING
 One Lithonia Way • Cary, Georgia 30012 • Phone: 1-800-705-SEEV (7378) •
 © 2011-2020 Albany Brands Lighting, Inc. All rights reserved.
 DSK0 LED Rev. 07/2020 Page 1 of 8



Symbol	Label	QTY	Manufacturer	Catalog Number	Description	Number Lamps	Lumens per Lamp	Lumen Multiplier	LLF	Wattage	Efficiency
□	EXISTING	16	LSI INDUSTRIES, INC.	CRUS-SC-LED-VLW-50		1	9054	1	0.9	60.9	100%
□	L14	2	Lithonia Lighting	DSK0 LED P3 50K TFFM MVOLT	DSK0 LED P3 50K TFFM MVOLT	1	8553	1	0.9	71	100%
□	L12	3	Lithonia Lighting	DSK0 LED P3 50K T2M MVOLT	DSK0 LED P3 50K T2M MVOLT	1	8536	1	0.9	71	100%

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Calc Zone #1	+	1.6 fc	27.4 fc	0.0 fc	N/A	N/A
CANOPY	X	23.7 fc	27.4 fc	17.3 fc	1.6:1	1.4:1
PARKING LOT	X	3.5 fc	13.9 fc	0.7 fc	19.9:1	5.0:1



EXCEL
 ARCHITECTS • ENGINEERS • SURVEYORS
 Always a Better Plan
 100 Camelot Drive
 Fond Du Lac, WI 54935
 Phone: (920) 926-9800
 www.EXCELENGINEER.com

COLLABORATION

PROJECT INFORMATION

PROPOSED ADDITION FOR:
KWIK TRIP STORE #1512
 1100 WINDSOR AVE. • COTTAGE GROVE, WI 53527

PROFESSIONAL SEAL

SHEET DATES

SHEET ISSUE: SEPT. 18, 2020

REVISIONS

JOB NUMBER
 2028600

SHEET NUMBER
PXP