

Date: September 4, 2020

To: Town of Eagle Plan Commission and Town Board

From: Tim Schwecke, AICP, Town Planner

Subject: Site plan and plan of operation for a new retail business (Dollar General) located at northeast corner of Godfrey Lane and CTH NN (EGLT1818999021); The Overland Group (Jacob Stauffer, agent and Joe Mayer, consultant)

Application: 2020-17; <https://s.zoninghub.com/U6GWBGL6EG>

Meeting: September 10, 2020 Plan Commission – Town Board meeting

Previous reviews The Plan Commission/Town Board reviewed this matter at their meeting on August 3, 2020, and it was tabled to this meeting.

The applicant has since prepared a revised application including new plans. The first part of the attached letter addresses technical issues raised by the Town Engineer. The letter also describes changes that have been made based on the Plan Commission's input.

Staff comments/questions for applicant:

1. Please confirm that there will be no outside storage of merchandise.
2. Please confirm that metal shipping containers will not be kept on-site.
3. Please confirm the numbers of employees that will be on-site working at the same time.
4. A Plan Commissioner requested a floor plan for the proposed building along with some interior images/photos.
5. Please confirm hours of operation.
6. Please verify that all outdoor light fixtures are full cut off.
7. Please verify how the outdoor lighting will be lowered during off hours.
8. What is the height of the parking lot lights?
9. Will the wall signs be internally lit? There are gooseneck light fixtures above the sign.

Proposed motion for Plan Commission Recommend to the Town Board the approval of the site plan/plan of operation as described in the petitioner's application, subject to the following conditions:

1. Prior to any land disturbing activity, the applicant must submit a complete and final set of plans to the Town Planner. The Town Engineer must verify in writing whether they have approved the final plans within their purview. Any outstanding matters must be resolved to staff's satisfaction.
2. Prior to any land-disturbing activity, the applicant must reimburse the Town for any outstanding charges and establish an escrow account with the Town as may be required.
3. Prior to any land-disturbing activity, the certified survey map (CSM) creating the parcel for the project must be recorded in the Waukesha County register of deeds office, as approved by the Town of Mukwonago.
4. The applicant must obtain all required building permits within nine months of this date, and start construction within six months of the date of building permit issuance and continue in good faith to completion.

5. All work related to this project must comply with all project plans approved by the Town.
6. The applicant must submit details for the dumpster enclosure, meeting code requirements, to the Town Planner for review and approval.
7. The property owner obtains a zoning permit for the approved building within 6 months of this date.
8. The property owner obtains a building permit for the approved building within 9 months of this date and completes the authorized work within one year of obtaining the permit.
9. The property owner obtains all other approvals as may be required to construct the building as planned (e.g., fire department review).
10. The property owner will need to obtain a permit for any onsite signage as set forth in the Town's sign code.
11. Prior to issuance of an occupancy permit by the building inspector, the Town Planner and Town Engineer must determine that all onsite improvements have been completed including landscaping.
12. Prior to issuance of an occupancy permit by the building inspector, the stormwater maintenance agreement (SWMA), as approved by the engineer, must be recorded in the Waukesha County register of deeds office.
13. Merchandise shall not be kept out of doors.
14. Shipping containers which may be used to store merchandise shall not be kept on site.
15. Outdoor lighting levels shall be lowered during off hours, but kept at sufficient levels to provide public safety.
16. _____
17. _____

Attachments:

1. Correspondence dated August 14, 2020
2. Revised plan set along with supplemental materials

August 14, 2020

Mr. Tim Schwecke
Town of Eagle
820 E. Main Street
Eagle, WI 53119

**RE: Dollar General Store
Preliminary Plan Review for Dollar General
Eagle, Wisconsin**

Dear Mr. Schwecke,

We are in response to multiple sets of review comments provided by the Town of Eagle regarding the proposed Dollar General Store located at the northeast corner of County Highway NN and Godfrey Lane. Received correspondence include:

- **Engineering Review Memo** by Lynch and Associates; dated **August 4th, 2020**
- **Staff Report** on the Proposed Site Plan and Plan of Operations; dated July 30, 2020
- **Staff Report** on the Proposed Certified Survey Map; dated **July 30, 2020**

In addition to the correspondence received above, Kimley-Horn has also provided responses to the site plan, landscape plan, and architectural comments discussed at the Plan Commission Meeting on August 3, 2020. Below is a summary of the actions taken in response to these comments.

Engineering Review Memo by Lynch and Associates; dated August 4th, 2020

1. The legend indicates the areas of the standard asphalt and heavy-duty asphalt. Please provide the corresponding pavement cross sections. Also, provide details for the sidewalk.
Response: Pavement sections for asphalt and sidewalk have been included on sheet C7.0.
2. Verify the building FFE. The plan elevation and cross section elevation are different.
Response: The FFE is 921.50, which has been corrected on the Plan and Cross Section on Sheet C5.0.
3. The top of curb and flowline elevations appear to be reversed along the front edge of the walk.
Response: Top of curb and flowline elevations have been revised to show correct values. See Sheet C5.0.
4. Label proposed pipe with pipe diameter, pipe type, and length on C2.0.
Response: Sanitary and storm pipes have been labeled accordingly, see Sheet C6.0.
5. The sidewalk along the building is less than 1% in slope and the slope should be increased to provide better drainage away from the building.
Response: The proposed sidewalk grades along the building have been revised to increase the slope to a value greater than 1%, but less than 2.0%. See sheet C5.0.
6. The drainage away from the rear of the building does not meet requirements of SPS 321.12.
Response: The drainage away from the rear of the building has been increased above 0.5" per 12" (4.167%) for at least the first 10 feet. See Sheet C5.0.

7. Add soil boring locations to the pond.
Response: A geotechnical report performed by Terracon Consultants, Inc. dated August 5, 2020 has been included with this resubmittal.
8. It appears that fill is being placed on the septic area. Will it be a mound system or conventional?
Response: The septic field will be a conventional system. The grading has been revised to avoid fill in the septic area (<6" with no compaction).
9. The pond discharge pipe in the CTH NN right of way is lower than the ditch grades shown to the east and west. It appears the ditch run off could backflow into the pond.
Response: Based on the field survey, the ditch flows from West to East. The detention pond normal water elevation is 916.50, the outlet to the ditch is 916.40, and then ditch flows east as shown by the 916.30 spot located at the southeast corner. The detention pond normal water level was set 0.1' above the ditch to avoid additional fill on site.
10. Any work in the CTH NN right of way will require a permit from Waukesha County. Please provide a copy of the permit once it has been received.
Response: Comment noted. The Site Plan and CSM has been sent to Waukesha County for review. Future correspondence will be sent to the Town.
11. Provide an erosion control plan with accompanying details.
Response: The Erosion Control Plan and Details are included in sheet C4.0 and C4.1 of the Final Engineering Plans.
12. Add water service size and roof drain size along with the sizing calculations.
Response: The water service has been sized as a 1.5-inch Type-K Copper line and has been labeled on the Utility Plan, See Sheet C6.0. The roof drains are sized at 6-inches, sizing calculations have been provided in the Drainage Report attached with this resubmittal.
13. The invert for D1 in the structure table differs from the invert labeled on C2.0..
Response: The outfall invert for structure D1 has been revised for consistency on the Utility Plan and Grading Plan.
14. Note 12 in the utility notes state light poles are shown. Please add light pole locations to the site plan.
Response: Light poles and their locations have been added to the Site Plan (C3.0) and Utility plan (C6.0).
15. Notes 17, 19, and 20 reference Kenosha Water Utility. Please revise the reference.
Response: Notes 17, 19 and 20 have been removed from the Utility Notes.
16. Provide details for the pond outlet structure, manholes, inlets and rip rap.
Response: Construction details for utility structures and rip rap have been provided on sheet C7.0 and C7.1 of the Final Engineering Plans

Staff Report on the Proposed Site Plan and Plan of Operations; dated July 30, 2020

1. The property owner must reimburse the Town for any and all fees paid by the Town for technical assistance in reviewing and enforcing this approval. Such payments shall be paid upon request of the Town. The Town Clerk's office shall provide owner/applicant with itemized invoices.
Response: Comment Noted.

2. The applicant must submit details for the dumpster enclosure, meeting code requirements, to the Town Planner for review and approval.
Response: Per discussion at Plan Commission, the Dumpster Enclosure will be enhanced to masonry, which is noted on the Site Plan, Sheet C3.0. Dumpster Enclosure details will be submitted with the building permit application.
3. The applicant must provide documentation to the Town Planner to ensure that all light fixtures are full-cut off.
Response: Standard Dollar General light specifications have been provided for the Town Planner's Review.
4. The property owner obtains a zoning permit for the approved building within 6 months of this date.
Response: Comment Noted.
5. The property owner obtains a building permit for the approved building within 9 months of this date and completes the authorized work within one year of obtaining the permit.
Response: Comment Noted.
6. The property owner obtains all other approvals as may be required to construct the building as planned (e.g., fire department review).
Response: Comment Noted.

Staff Report on the Proposed Certified Survey Map; dated July 30, 2020

1. Include a vision triangle at the intersection of CTH NN.
Response: Per coordination with Waukesha County, the Vision Triangle will be measure 150 ft along the centerline of Highway NN and 100 ft along the centerline of Godfrey Lane. The Vision Triangle has been added to the Site Plan, Landscape Plan, and CSM.
2. Include a no-access restriction on CTH NN.
Response: The restriction has been added to the CSM.
3. Add a signature block for the Village of Eagle because the subject property is located within the Village's extraterritorial review authority (i.e., 1.5 miles).
Response: The Village of Eagle signature block has been added to the CSM.

Plan Commission Comments; August 3, 2020

Building Elevations

1. Provide Masonry building materials on the east elevation.
Response: All four elevations of the building are now masonry – see revised elevations.
2. Provide pilasters on the east elevation to break up the façade.
Response: Vertical elements and pilasters have been provided on the revised building elevations.
3. Provide a parapet wall on the east elevation.
Response: A parapet wall has been provided on the east elevation. – See revised elevations.
4. Provide 8" deep by 12" wide pilasters per Town Code.
Response: The necessary depth and width of pilasters has been provided – See Site Plan.

5. Move the entry door on the west elevation to encourage parking on the west side of the building.
Response: The entry door has been moved to the west elevation – See Site Plan.

Site Plan/Landscape Plan

1. The Dumpster enclosure needs to be masonry given its visibility from the street.
Response: A masonry dumpster has been proposed. See Site Plan. Materials to match the proposed architectural elevations.
2. Provide a ‘vision triangle’ at the corner and adjust the Pylon Sign accordingly. (distance to be confirmed with County)
Response: The vision triangle dimensions have been confirmed with Waukesha County and shown on the site plan accordingly.
3. Provide additional plantings with pine trees on the West Elevation.
Response: The landscape plan has been revised accordingly – See Sheet L1.0.
4. Provide additional screening for the parking lot along County NN.
Response: The landscape plan has been revised accordingly – See Sheet L1.0.

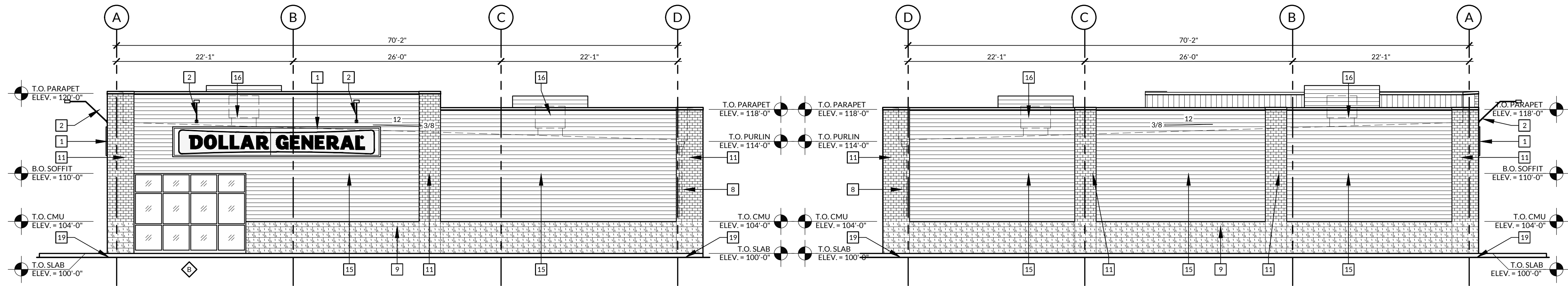
Photometrics

1. Provide cut sheets of the light poles and light pole fixtures.
Response: Cut sheets have been provided with this submittal.
2. Provide “cut offs/shields” to limit light pollution.
Response: Cut sheets have been provided with this submittal for the Town’s review.
3. Dim/Turn off lights after hours of operation, for safety and light pollution.
Response: A dimmer switch will be provided as part of the lighting plan.

We trust these responses and the description of changes above adequately address your comments. If you have any questions or require any additional information, please contact me at 630-487-5563.

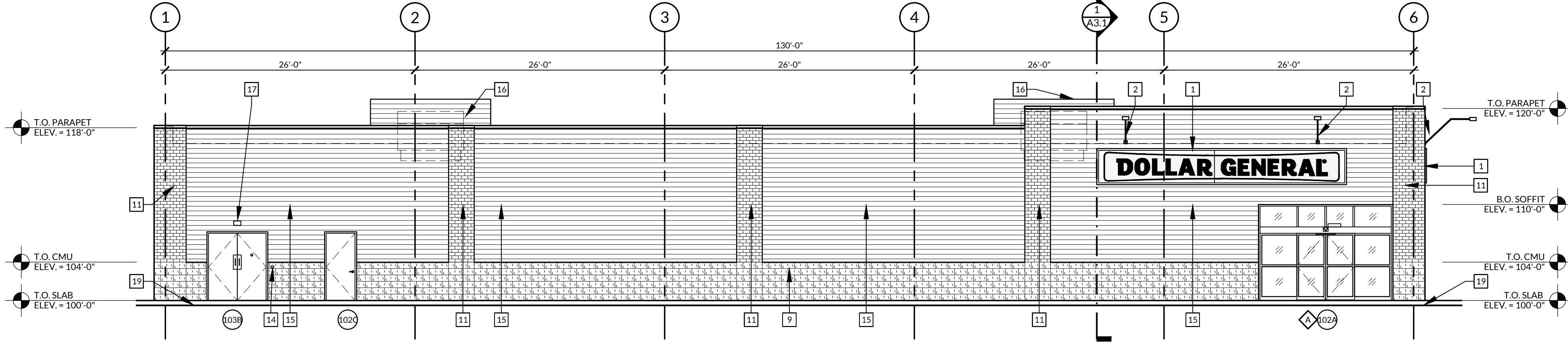
Sincerely,

Joseph Mayer
Kimley-Horn and Associates, Inc.
Phone: 630-487-5563
Email: Joe.mayer@kimley-horn.com

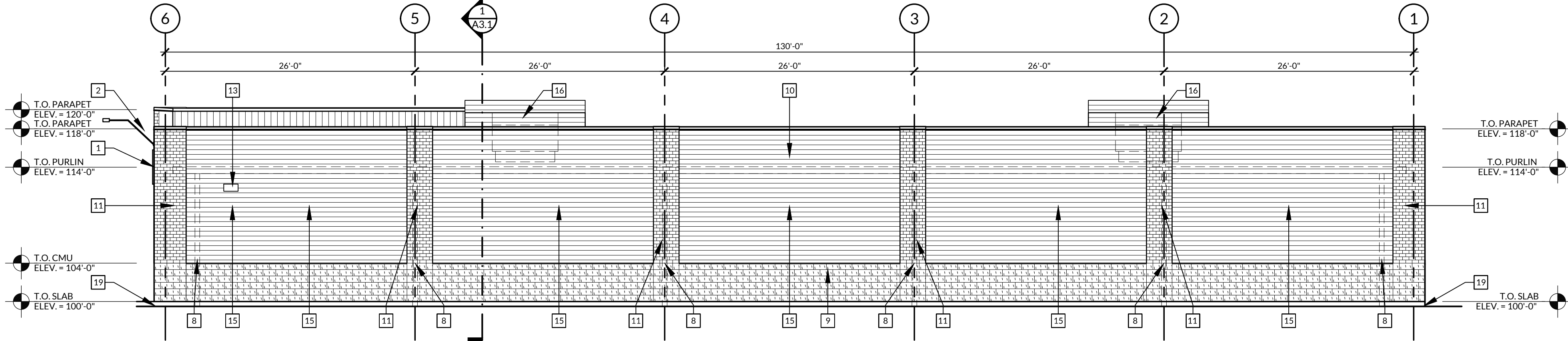


1 SOUTH ELEVATION
SCALE: 1/8"=1'-0"

2 NORTH ELEVATION
SCALE: 1/8"=1'-0"



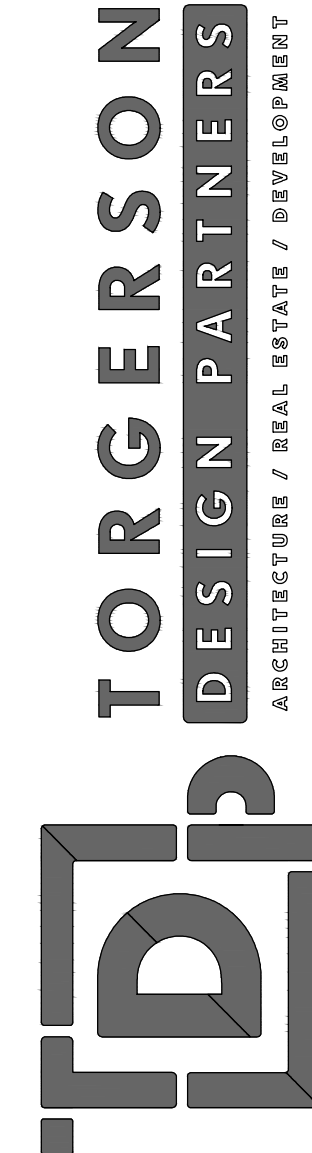
3 WEST ELEVATION
SCALE: 1/8"=1'-0"



4 EAST ELEVATION
SCALE: 1/8"=1'-0"

ELEVATION KEYNOTES

- 1 SIGN FURNISHED & INSTALLED BY DOLLAR GENERAL CORPORATION. SIGN SHALL BE LIGHTED FROM ABOVE. CONTRACTOR IS TO PROVIDE ADEQUATE BLOCKING AS REQUIRED BY SIGN MANUFACTURER TO SUPPORT SIGN WEIGHT OF UP TO 1,400 LBS. COORDINATE THE PROPER SIGNAGE TO BE USED w/ DOLLAR GENERAL.
- 2 EXTERIOR LIGHTING. REFER TO ELECTRICAL DRAWINGS TO VERIFY EXACT QUANTITY, LOCATION, MOUNTING HEIGHT & OTHER SPECIFICATIONS.
- 3 NOT USED.
- 4 NOT USED.
- 5 NOT USED.
- 6 NOT USED.
- 7 NOT USED.
- 8 GUTTER & DOWNSPOUT. REFER TO EXTERIOR FINISH SCHEDULE FOR COLOR.
- 9 4" SPLIT-FACE CMU. REFER TO EXTERIOR FINISH SCHEDULE FOR TYPE & COLOR.
- 10 STANDING SEAM METAL ROOF. REFER TO EXTERIOR FINISH SCHEDULE FOR COLOR.
- 11 4" SMOOTH or VELOUR ECONOMY SIZE BRICK. REFER TO EXTERIOR FINISH SCHEDULE FOR COLOR.
- 12 NOT USED.
- 13 VENT FOR BATHROOM EXHAUST. REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION & ADDITIONAL INFORMATION.
- 14 DOOR BUZZER. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- 15 NICHIIHA VINTAGEWOOD ARCHITECTURAL PANELS. REFER TO EXTERIOR FINISH SCHEDULE FOR COLOR.
- 16 HVAC UNITS MOUNTED ON ROOF. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION & LOCATIONS. UNITS TO BE SCREENED FROM VIEW. SCREEN TO BE CITYSCAPES, INC. "ENVISOR SCREENING SYSTEM" or APPROVED EQUAL.
- 17 OUTSIDE AIR TEMP. SENSOR MOUNTED OVER RECEIVING DOORS @ 8'-0" A.F.F.
- 18 MINIMUM EAVE HEIGHT IS 14'-0" A.F.F.
- 19 FINISHED GRADE AT EXTERIOR WALLS SHALL BE A MINIMUM OF 6" BELOW FINISHED FLOOR AT ALL NON-PAVED AREAS.
- 20 NOT USED.



STORE #22466 • PROTOTYPE "E"
EAGLE, WISCONSIN
NORTHEAST CORNER OF HIGHWAY NN & GODFREY LANE/LEEDS DRIVE
EAGLE, WAUKESHA COUNTY, WISCONSIN 53119

DOLLAR GENERAL

STORE #22466 • PROTOTYPE "E"

EAGLE, WISCONSIN

NORTHEAST CORNER OF HIGHWAY NN & GODFREY LANE/LEEDS DRIVE
EAGLE, WAUKESHA COUNTY, WISCONSIN 53119

EXTERIOR FINISH SCHEDULE																															
PRE-ENGINEERED METAL BUILDING VENDOR:	VP BUILDINGS ATTN:DAVID ENGLISH (901) 568-4537					STAR BUILDING SYSTEMS ATTN:RODNEY BURT (800) 879-7827					NUCOR BUILDING SYSTEMS ATTN:BOB BARRY (315) 622-4440 - (260) 837-7891					BIGBEE STEEL BUILDINGS, INC. ATTN:KEVIN BUSLER (800) 633-3378					CHIEF BUILDINGS ATTN:KIRIN SULLIVAN (800) 845-3378					PREFERRED COLORS IF ALTERNATE EXTERIOR MATERIALS ARE USED INSTEAD OF METAL PANELS:					
EXTERIOR FINISHES ARE TO MATCH or BE EQUAL TO VP METAL BUILDING SYSTEM'S FINISH SELECTION.	COOL EGYPTIAN WHITE	COOL DARK BRONZE	BRONZE	COOL COTTON WHITE	GALVALUME	LIGHTSTONE	MEDIUM BRONZE, KYMAR 500	BRONZE	POLAR WHITE	GALVALUME	LIGHTSTONE	MEDIUM BRONZE, KYMAR 500	BRONZE	POLAR WHITE	GALVALUME	SANDSTONE	BURNISHED SLATE	BRONZE	POLAR WHITE	GALVALUME	PARCHMENT	ANTIQUE BRONZE	BRONZE	POLAR WHITE	GALVALUME	SHERWIN WILLIAMS SW7037 "BALANCED BEIGE	SHERWIN WILLIAMS SW7037 "VINTAGE BROWN"	BRONZE	WHITE BY PEMB MANUFACTURER	GALVALUME	
GUTTERS.		●					●					●					●					●					●				
DOWNSPOUTS.		●					●					●					●					●					●				
SIDE & REAR METAL WALL PANELS & TRIM, RECEIVING & EMERGENCY EXIT DOORS. (EXTERIOR OF DOORS TO BE PAINTED. REFER TO DOOR SCHEDULE.)		●					●					●					●					●					●				
4" SPLIT-FACE CMU	MIDWEST BLOCK or EQUAL. COLOR: TBD.					MIDWEST BLOCK or EQUAL. COLOR: TBD.					MIDWEST BLOCK or EQUAL. COLOR: TBD.					MIDWEST BLOCK or EQUAL. COLOR: TBD.					MIDWEST BLOCK or EQUAL. COLOR: TBD.					MIDWEST BLOCK or EQUAL. COLOR: TBD.					
4" SMOOTH or VELOUR ECONOMY SIZE BRICK.	ACME BRICK or EQUAL. COLOR: TBD.					ACME BRICK or EQUAL. COLOR: TBD.					ACME BRICK or EQUAL. COLOR: TBD.					ACME BRICK or EQUAL. COLOR: TBD.					ACME BRICK or EQUAL. COLOR: TBD.					ACME BRICK or EQUAL. COLOR: TBD.					
NICHIIHA FIBER CEMENT PANEL.	SERIES: VINTAGEWOOD. COLOR: REDWOOD.					SERIES: VINTAGEWOOD. COLOR: REDWOOD.					SERIES: VINTAGEWOOD. COLOR: REDWOOD.					SERIES: VINTAGEWOOD. COLOR: REDWOOD.					SERIES: VINTAGEWOOD. COLOR: REDWOOD.					SERIES: VINTAGEWOOD. COLOR: REDWOOD.					
FLAT METAL SOFFIT AT STOREFRONT VESTIBULE AREA.			●					●					●					●						●				●			
BUILDING FASCIA WALL, PARAPET or ENTRANCE, & CANOPY.		●					●					●					●					●					●				
STOREFRONT SYSTEM.			●					●					●					●					●					●			
STANDING SEAM METAL ROOF PANELS.					●					●					●					●					●						●
LINER PANELS (INTERIOR SALES & RECEIVING FLOOR)			●						●					●					●				●					●			

ARCHITECT OF RECORD:
KYLE W. RADER
ARCHITECTURAL LICENSE #:
12667-5

PROJECT NUMBER:
20147 - DGEW
REVISION:

PRELIMINARY
NOT FOR CONSTRUCTION

A2.1
EXTERIOR
ELEVATIONS

DATE: JULY 16, 2020

Drawing name: K:\GIS\LDE\168708007_DollarGeneral_Eagle_WI\2_Design\CAD\PlanSheets\Final Engineering\00.0 - TITLE SHEET.dwg 00.0 Aug 17, 2020 9:02am by: brett.hickey
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

FINAL ENGINEERING PLANS

DOLLAR GENERAL

NEC HIGHWAY NN & GODFREY LANE

TOWN OF EAGLE, WISCONSIN 53119



1-800-242-8511

UTILITY AND GOVERNING AGENCY CONTACTS

PLANNING & ZONING DEPARTMENT
TOWN OF EAGLE
820 E. MAIN STREET
EAGLE, WI 531199
TEL: (920) 728-2814
CONTACT: TIM SCHWECKE

ENGINEERING DEPARTMENT
TOWN OF EAGLE
820 E. MAIN STREET
EAGLE, WI 531199
TEL: (262) 402-5040
CONTACT: TIM LYNCH

STORM SEWER SERVICE
TOWN OF EAGLE
820 E. MAIN STREET
EAGLE, WI 531199
TEL: (262) 594-5800

WATER/SANITARY SERVICE
PRIVATE WELL & SEPTIC

ROADWAY AUTHORITY
WAUKESHA COUNTY
515 W MORELAND BLVD, AC220
WAUKESHA, WI 53188
TEL: (262) 548-7740

POWER COMPANY
WE ENERGIES
S13 W33800 US-18
DELAFIELD, WI 53018
TEL: (262) 968-2575

NATURAL GAS COMPANY
WE ENERGIES
S13 W33800 US-18
DELAFIELD, WI 53018
TEL: (262) 968-2575

TELEPHONE
AT&T
TEL: (853) 293-7676

PROJECT TEAM

DEVELOPER
THE OVERLAND GROUP
1903 EAST BATTLEFIELD ST.
SPRINGFIELD, MO 65804
TEL: (417) 293-3332
CONTACT: JACOB W. STAUFFER

ARCHITECT
TORGERSON DESIGN PARTNERS
116 N. 2ND AVE.
OZARK, MO 65721
TEL: (417) 581-8889
CONTACT: MIKE SEBBEN

SURVEYOR
CHAPUT LAND SURVEYS
234 W. FLORIDA STREET
MILWAUKEE, WI 53204
TEL: (414) 224-8068
CONTACT: DONALD CHAPUT

CIVIL ENGINEER
KIMLEY-HORN AND ASSOCIATES, INC.
4201 WINFIELD ROAD, SUITE 600
WARRENVILLE, IL 60555
TEL: (630) 487-5550
EMAIL: JOE.MAYER@KIMLEY-HORN.COM
CONTACT: JOE MAYER,
EMAIL: JUSTIN.MULLER@KIMLEY-HORN.COM
CONTACT: JUSTIN MULLER, P.E.

LANDSCAPE ARCHITECT
KIMLEY-HORN AND ASSOCIATES, INC.
4201 WINFIELD ROAD, SUITE 600
WARRENVILLE, IL 60555
TEL: (630) 487-5550
EMAIL: DANIEL.GROVE@KIMLEY-HORN.COM
CONTACT: DANIEL GROVE

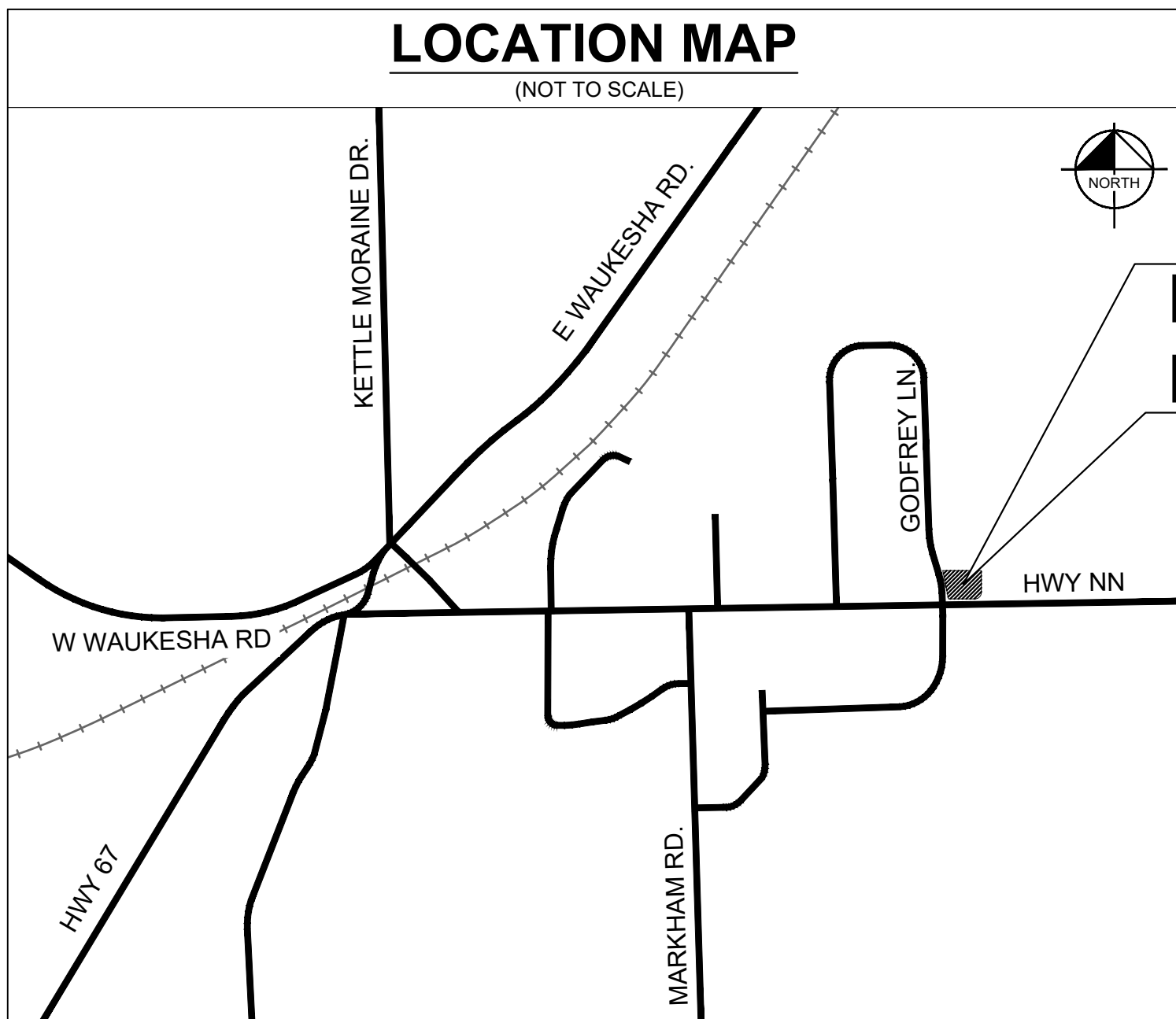
GEOTECH
TERRACON CONSULTANTS, INC.
9856 SOUTH 57TH STREET
FRANKLIN, WI 53132
TEL: (414) 423-0255
PAUL J. KOSZAREK, P.E.
CONTACT: DANIEL GROVE

LEGAL DESCRIPTION

PART OF LOT 1 OF CERTIFIED SURVEY MAP NO. 8689, IN THE SOTHEAST 1/4 OF THE NORTHWEST 1/4 OF SECTION 23, TOWNSHIP 5 NORTH, RANGE 17 EAST, IN THE TOWN OF EAGLE, WAUKESHA COUNTY, WISCONSIN, RECORDED DECEMBER 17, 1998 IN THE OFFICE OF THE REGISTER OF DEEDS FOR WAUKESHA COUNTY, IN VOLUME 77 OF CERTIFIED SURVEY MAPS ON PAGES 47, 48 AND 49, AS DOCUMENT NO. 239997, TOGETHER WITH ALL MINERAL RIGHTS CLAIMED THEREIN UNDER STATMENT OF MINERAL CLAIM RECORDED MAY 24, 2002 AS DOCUMENT NO. 2804813.

LOCATION MAP

(NOT TO SCALE)



PROJECT
LOCATION

Sheet List Table

Sheet Number	Sheet Title
C0.0	COVER SHEET
V0.0	ALTA SURVEY
C1.0	GENERAL NOTES
C2.0	DEMOLITION PLAN
C3.0	SITE PLAN
C4.0	EROSION CONTROL PLAN
C4.1	EROSION CONTROL NOTES & DETAILS
C5.0	GRADING PLAN
C6.0	UTILITY PLAN
C7.0	CONSTRUCTION DETAILS
C7.1	CONSTRUCTION DETAILS
L1.0	LANDSCAPE PLAN
L2.0	LANDSCAPE NOTES AND DETAILS

BENCHMARKS

SITE BENCHMARKS:
(LOCATIONS SHOWN ON SURVEY)

STARTING BENCHMARK: REFERENCE MARK AND REFERENCE BENCHMARK FOUND CHISELED CROSS IN TOP OF THE HYDRANT NOZZLE.
ELEVATION=927.61 (NGVD 29)

SITE BENCHMARK: NW FLANGE BOLT ON HYDRANT.
ELEVATION=920.34 (NGVD 29)

SITE BENCHMARK: SET CROSS ON NE COR. OF CONC. PAD.
ELEVATION=924.76 (NGVD 29)

PROFESSIONAL ENGINEER'S CERTIFICATION

I, JUSTIN MULLER, A LICENSED PROFESSIONAL ENGINEER OF WISCONSIN, HEREBY CERTIFY THAT THIS SUBMISSION, PERTAINING ONLY TO THE "C" SERIES CIVIL SHEETS LISTED ABOVE BUT EXCLUDING DETAILS PREPARED BY OTHERS, WAS PREPARED ON BEHALF OF THE OVERLAND GROUP BY KIMLEY-HORN AND ASSOCIATES, INC. UNDER MY PERSONAL DIRECTION. THIS TECHNICAL SUBMISSION IS INTENDED TO BE USED AS AN INTEGRAL PART OF AND IN CONJUNCTION WITH THE PROJECT SPECIFICATIONS AND CONTRACT DOCUMENTS.

DATED THIS 14TH DAY OF AUGUST, A.D., 2020.

Justin Muller
WISCONSIN LICENSED PROFESSIONAL ENGINEER E-40596
MY LICENSE EXPIRES ON JULY 31, 2020



Kimley»Horn

© 2020 KIMLEY-HORN AND ASSOCIATES, INC.
4201 WINFIELD ROAD, SUITE 600
WARRENVILLE, IL 60555
PHONE: 630-487-5550
WWW.KIMLEY-HORN.COM

SCALE:

AS NOTED

DESIGNED BY: JPM

DRAWN BY: JPM

CHECKED BY: JMM

THE OVERLAND
GROUP

COVER SHEET

DOLLAR GENERAL

NEC HIGHWAY NN & GODFREY LN.
TOWN OF EAGLE, WI 53119

ORIGINAL ISSUE:

07/29/2020

KHA PROJECT NO.

168708007

SHEET NUMBER

C0.0

DATE

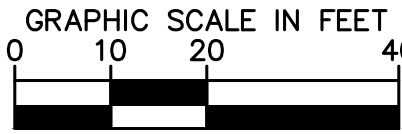
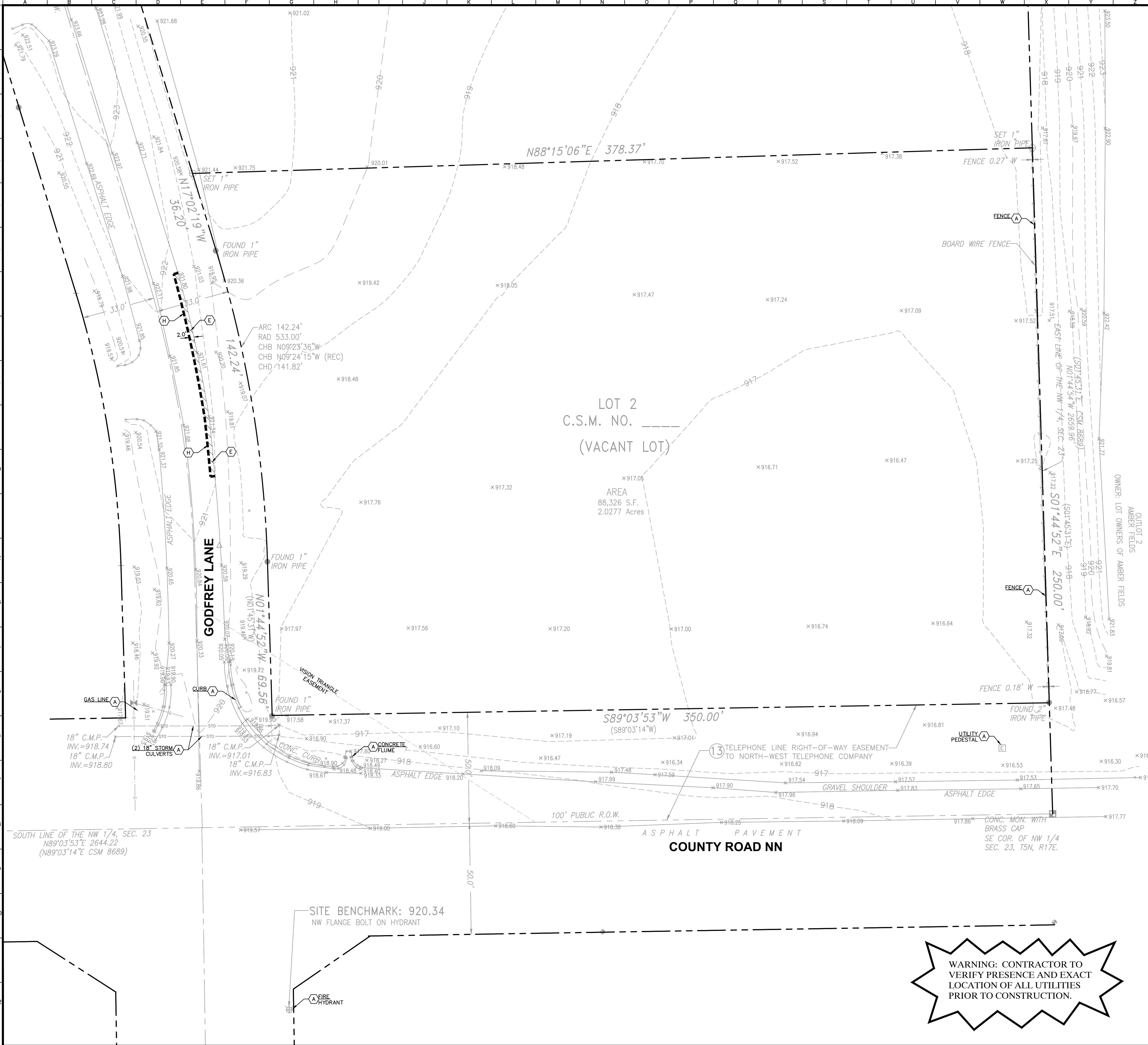
BY

1

REVISIONS

08/14/20

JPM



1-800-242-8511

DEMOLITION NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF THE EXISTING STRUCTURES, RELATED UTILITIES, PAVING, AND ANY OTHER EXISTING IMPROVEMENTS AS NOTED.
2. CONTRACTOR IS TO REMOVE AND DISPOSE OF ALL DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM PREVIOUS AND CURRENT DEMOLITION OPERATIONS. DISPOSAL OF SUCH MATERIALS SHALL BE IN ACCORD WITH ALL LOCAL, STATE AND/OR FEDERAL REGULATIONS GOVERNING SUCH OPERATIONS.
3. THE GENERAL CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES DURING THE CONSTRUCTION PHASES OF THIS PROJECT. THE CONTRACTOR WILL BE HELD SOLELY RESPONSIBLE FOR ANY DAMAGES TO THE ADJACENT PROPERTIES OCCURRING DURING THE CONSTRUCTION OF THIS PROJECT. THE CONTRACTOR SHALL NOT DEMOLISH ANYTHING OUTSIDE THE OWNERS LEASE/PROPERTY LINE UNLESS SPECIFICALLY MENTIONED ON THIS SHEET.
4. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN BY THE CONTRACTOR. THIS INFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES.
5. IF DEMOLITION OR CONSTRUCTION ON SITE WILL INTERFERE WITH THE ADJACENT PROPERTY OWNER'S TRAFFIC FLOW, THE CONTRACTOR SHALL COORDINATE WITH ADJACENT PROPERTY OWNER TO MINIMIZE THE IMPACT ON TRAFFIC FLOW. TEMPORARY RE-ROUTING OF TRAFFIC IS TO BE ACCOMPLISHED BY USING WISDOT APPROVED TRAFFIC BARRICADES, BARRELS, AND/OR CONES. TEMPORARY SIGNAGE AND FLAGMEN MAY BE ALSO NECESSARY.
6. REFER TO GEOTECHNICAL REPORT PROVIDED BY OTHERS FOR ALL SUBSURFACE INFORMATION.
7. CONTRACTOR SHALL BEGIN CONSTRUCTION OF ANY LIGHT POLE BASES FOR RELOCATED LIGHT FIXTURES AND RELOCATION OF ELECTRICAL SYSTEM AS SOON AS DEMOLITION BEGINS. CONTRACTOR SHALL BE AWARE THAT INTERRUPTION OF POWER TO ANY LIGHT POLES OR SIGNS SHALL NOT EXCEED 24 HOURS.
8. EROSION CONTROL MUST BE ESTABLISHED PRIOR TO ANY WORK ON SITE INCLUDING DEMOLITION.
9. THE EXTENT OF SITE DEMOLITION WORK IS AS SHOWN ON THE CONTRACT DOCUMENTS AND AS SPECIFIED HEREIN.
10. CONTRACTOR MUST RECEIVE APPROVAL FROM CIVIL ENGINEER AND GEOTECHNICAL ENGINEER FOR THE MATERIAL TYPE AND USE IF CONTRACTOR DESIRES TO REUSE DEMOLISHED SITE PAVEMENT AS STRUCTURAL FILL.
11. EXISTING UTILITIES, WHICH DO NOT SERVICE STRUCTURES BEING DEMOLISHED, ARE TO BE KEPT IN PLACE AND PROTECTED DURING DEMOLITION OPERATIONS. CONTRACTOR SHALL ARRANGE FOR SHUT-OFF OF UTILITIES SERVING STRUCTURES TO BE DEMOLISHED. CONTRACTOR IS RESPONSIBLE FOR TURNING OFF, DISCONNECTING, AND SEALING INDICATED UTILITIES BEFORE STAGING DEMOLITION OPERATIONS. EXISTING UTILITIES TO BE ABANDONED ARE TO BE CAPPED AT BOTH ENDS AND FILLED WITH FA-1 OR APPROVED EQUAL. ALL UNDERGROUND UTILITIES TO BE REMOVED ARE TO BE BACKFILLED WITH ENGINEERING GRADE FILL. CONTRACTOR SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER, TO 95% OF MODIFIED PROCTOR DENSITY WITHIN PAVED AREAS AND TO 80% OF MODIFIED PROCTOR DENSITY FOR GREEN SPACE AREAS, IN ACCORDANCE WITH THE EARTHWORK SPECIFICATIONS. ALL EXISTING UTILITIES (ELECTRIC, GAS, TELEPHONE, FIBER OPTIC, GAS) SHALL BE REMOVED AND RELOCATED PER THE UTILITY OWNER AND THE LOCAL MUNICIPALITY'S REQUIREMENTS.
12. UNDERGROUND UTILITIES SHOWN ARE BASED ON ATLASES AND AVAILABLE INFORMATION PRESENTED AT THE TIME OF SURVEY. CONTRACTOR SHOULD CALL "DIGGERS HOTLINE" (1-800-242-8511) TO COORDINATE FIELD LOCATIONS AND EXISTING UNDERGROUND UTILITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR EXISTING CONSTRUCTION. IF ANY DISCREPANCIES IMMEDIATELY, CONTRACTOR SHALL LOCATE AND PROTECT EXISTING UNDERGROUND AND OVERHEAD UTILITIES DURING CONSTRUCTION. UTILITY PROTECTION SHALL BE COORDINATED WITH THE RESPECTIVE UTILITY OWNER AND AS DIRECTED BY THE GOVERNING MUNICIPALITY. DAMAGED CABLES/CONDUITS SHALL BE REPLACED IMMEDIATELY. ALL EXISTING STRUCTURES TO REMAIN SHALL BE PROTECTED THROUGHOUT THE CONSTRUCTION PROCESS. ALL DAMAGED STRUCTURES SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. COST SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. PROPER NOTIFICATION TO THE OWNERS OF THE EXISTING UTILITIES SHALL BE MADE AT LEAST 48 HOURS BEFORE CONSTRUCTION COMMENCES.
13. USE WATER SPRINKLING, TEMPORARY ENCLOSURES, AND OTHER SUITABLE MEANS TO LIMIT DUST FROM EXCAVATION AND DRILLING TO THE AIR TO THE LOWEST LEVEL, COMPLY WITH ALL GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION. USE EROSION CONTROL SHEETS FOR FURTHER EROSION CONTROL REQUIREMENTS.
14. COMPLETELY FILL BELOW-GRADE AREAS AND VOIDS RESULTING FROM DEMOLITION OF STRUCTURES TO THE FINAL FINISHES AND GRADES SHOWN ON THE CONTRACT DOCUMENTS. MATERIALS SHALL BE CRUSHED FILL OR CRUSHED CRUSHED LIMESTONE OR APPROVED EQUAL. USE SATISFACTORY SOIL MATERIALS CONSISTING OF STONE, GRAVEL AND SAND, FREE FROM DEBRIS, TRASH, FROZEN MATERIALS, ROOTS AND OTHER ORGANIC MATTER, PRIOR TO THE DEPOSITION OF FILL. MATERIALS TO BE DEPOSITED TO THE FILL ARE FREE OF STANDING WATER, FROST, FROZEN MATERIAL, TRASH AND DEBRIS. PLACE FILL MATERIALS IN HORIZONTAL LAYERS NOT EXCEEDING 9" IN LOOSE DEPTH. COMPACT EACH LAYER TO 95% OF MODIFIED PROCTOR DENSITY. MATERIAL TO BE DEPOSITED TO 95% OF MODIFIED PROCTOR DENSITY UNLESS SUBSEQUENT EXCAVATION FOR NEW WORK IS REQUIRED.

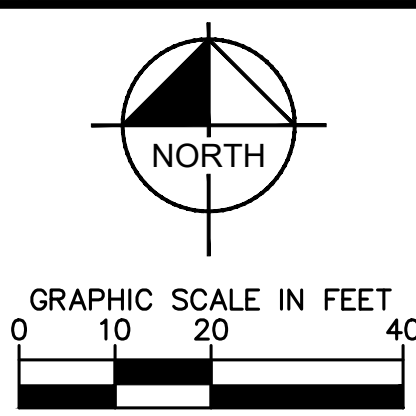
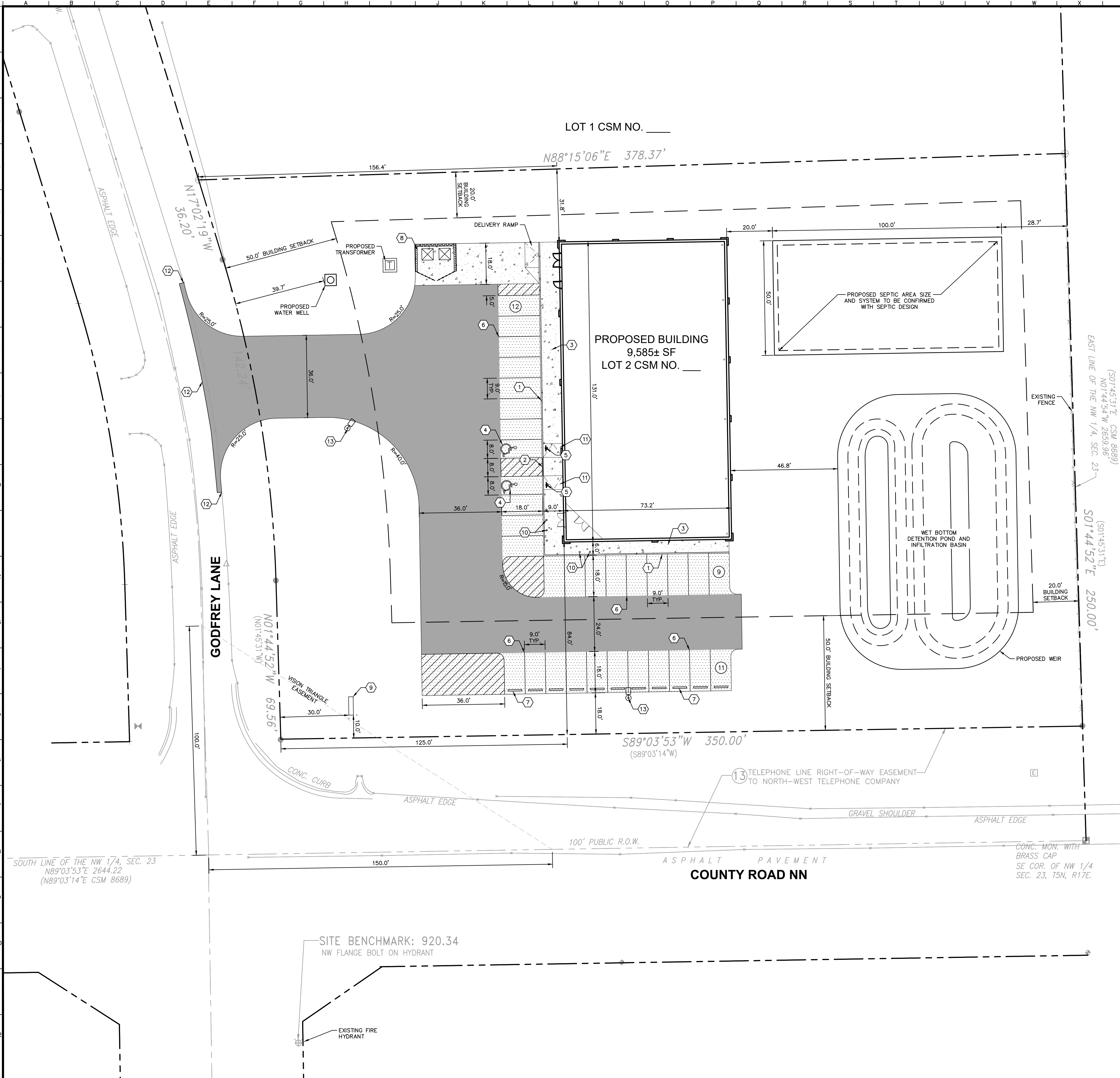
DEMOLITION LEGEND

- | | | |
|-----|--|---|
| (A) | | ITEM TO REMAIN, PROTECT DURING CONSTRUCTION |
| (B) | | CURB REMOVAL (NOT USED) |
| (C) | | UTILITY REMOVAL (NOT USED) |
| (D) | | ITEM TO BE REMOVED |
| (E) | | FULL-DEPTH ASPHALT PAVEMENT REMOVAL |
| (F) | | CONCRETE REMOVAL (NOT USED) |
| (G) | | BUILDING REMOVAL (NOT USED) |
| (H) | | SAWCUT LINE |
| (I) | | FENCE REMOVAL |

WARNING: CONTRACTOR TO
VERIFY PRESENCE AND EXACT
LOCATION OF ALL UTILITIES
PRIOR TO CONSTRUCTION.

[illegible]

Drawing name: K:\GIS\LDE\168708007_DollarGeneral_Eggs_M\2_Design\CAD\PlanSheets\Final Engineering\C3.0 - SITE PLAN.dwg C3.0 Aug 17, 2020 9:03am by: brethickey
This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

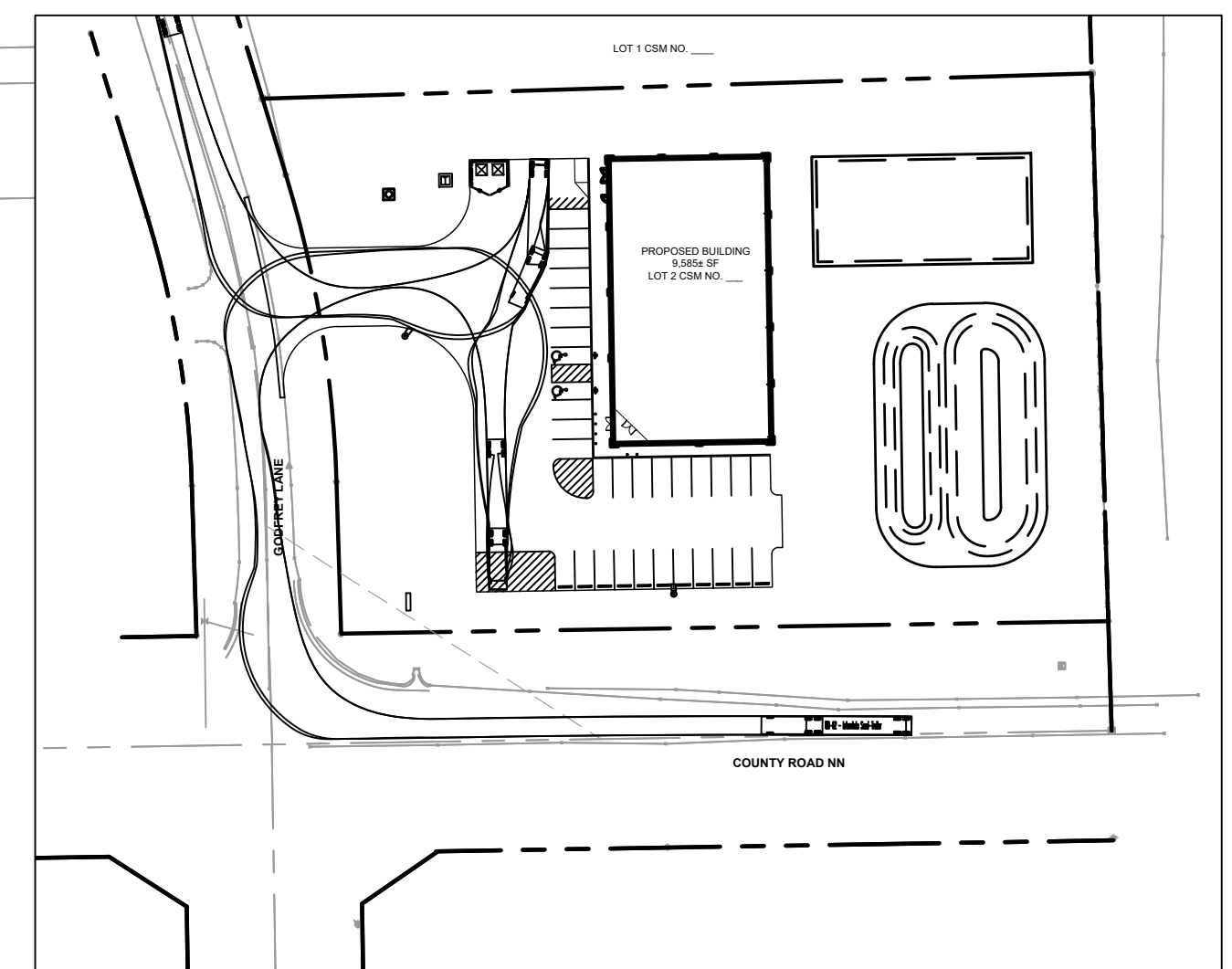


SITE DATE TABLE			
PROPOSED LOT AREA (CSM - LOT 2)	=	2.03 ACRES	
TOTAL BUILDING AREA	=	9,585 SF	
PARKING SPACES REQUIRED (ONE SPACES PER 300 SF OF BUILDING AREA)	=	32 SPACES	
STANDARD PARKING SPACES PROVIDED	=	30 SPACES	
ACCESSIBLE PARKING SPACES PROVIDED	=	2 SPACES	
TOTAL PARKING SPACES PROVIDED	=	32 SPACES	

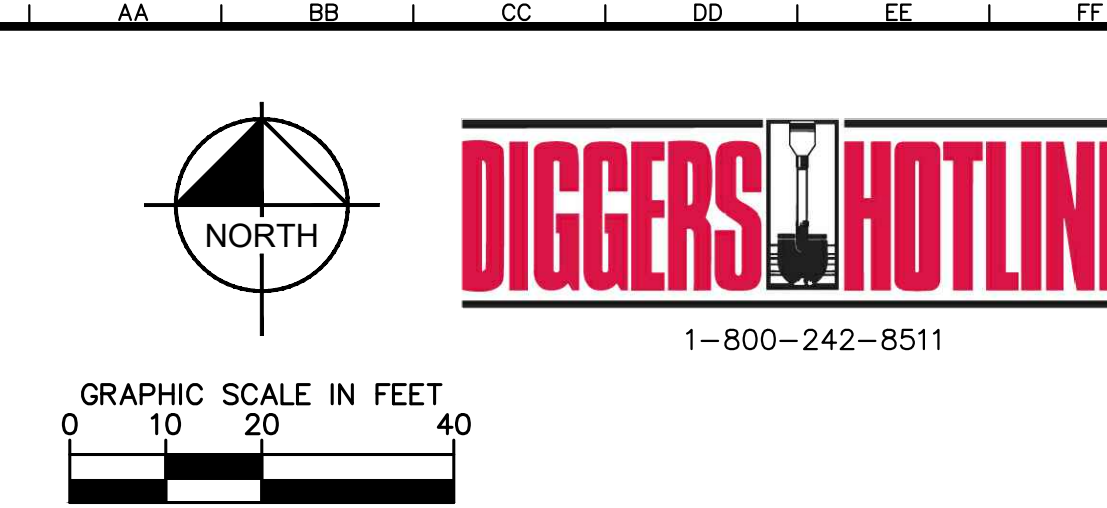
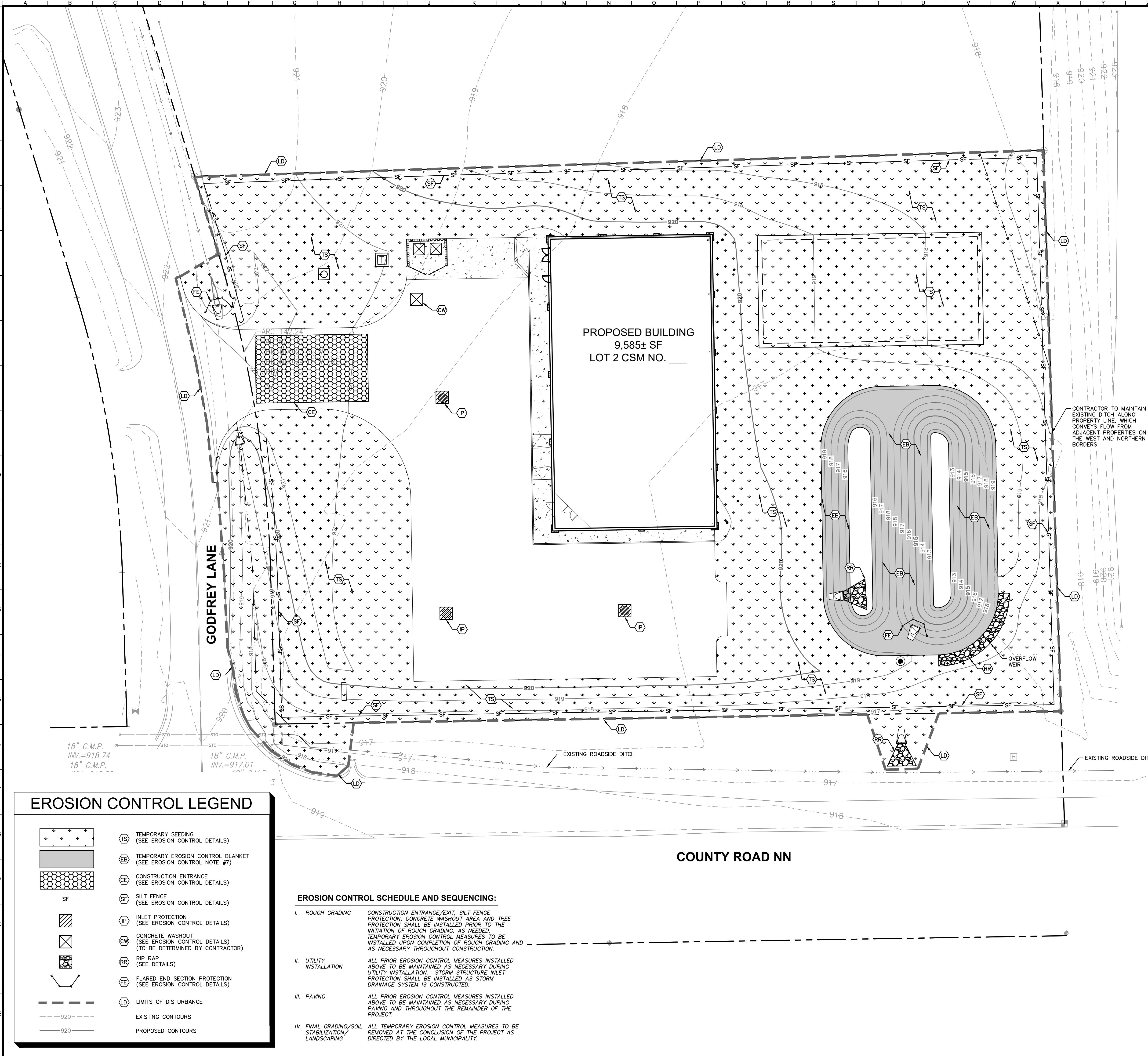
- ### KEY NOTES
- 1 INTEGRAL CURB AND WALK, TYP. (SEE DETAIL, SHEET C7.0)
 - 2 FLUSH CURB AND WALK (SEE DETAIL, SHEET C7.0)
 - 3 CONCRETE SIDEWALK, TYP. (SEE DETAIL, SHEET C7.0)
 - 4 ACCESSIBLE PAVEMENT MARKINGS, TYP. (SEE DETAIL, SHEET C7.0)
 - 5 ACCESSIBLE PARKING SIGN, TYP. (SEE DETAIL, SHEET C7.0)
 - 6 4" WIDE PAINTED SOLID WHITE LINE, TYP.
 - 7 CONCRETE WHEEL STOPS (SEE DETAIL, SHEET C7.0)
 - 8 MASONRY TRASH ENCLOSURE (SEE ARCH PLANS FOR DETAILS)
 - 9 PROPOSED PYLON SIGN (SEE ARCH PLANS FOR DETAILS)
 - 10 BOLLARD, TYP. (SEE DETAIL, SHEET C7.0)
 - 11 ACCESSIBLE RAMP (SEE DETAIL, SHEET C7.0)
 - 12 CONNECT TO EXISTING PAVEMENT, SIDEWALK, CURB, TYP.
 - 13 LIGHT POLE (SEE LIGHTING PLANS FOR DETAILS, SHOWN FOR REFERENCE ONLY)

PAVING AND CURB LEGEND	
	STANDARD DUTY ASPHALT PAVEMENT SEE SHEET C7.0 FOR DETAILS
	HEAVY DUTY ASPHALT PAVEMENT SEE SHEET C7.0 FOR DETAILS
	CONCRETE SIDEWALK / PAVEMENT SEE SHEET C7.0 FOR DETAILS
	INTEGRAL CONCRETE CURB AND WALK
	FLUSH CURB AND WALK
	PROPERTY LINE
	SETBACK LINE
	PARKING COUNT

- ### GENERAL NOTES
1. ALL DIMENSIONS REFER TO THE FACE OF CURB UNLESS OTHERWISE NOTED.
 2. BUILDING DIMENSIONS ARE TO THE OUTSIDE FACE OF BUILDING UNLESS OTHERWISE NOTED.
 3. REFER TO ARCHITECTURAL AND STRUCTURAL PLANS TO VERIFY ALL BUILDING DIMENSIONS.
 4. RADII ADJACENT TO PARKING STALL AND NOT DIMENSIONED ON THIS PLAN SHALL BE 3- FEET, TYPICAL.
 5. REFER TO ARCHITECTURAL PLANS FOR MONUMENT SIGN DETAILS. SEE MEP PLANS FOR SITE ELECTRICAL DRAWINGS.
 6. ALL PROPOSED ON-SITE STRIPING SHALL BE PAINTED UNLESS OTHERWISE NOTED.



Kimley»Horn © 2020 KIMLEY-HORN AND ASSOCIATES, INC. 4201 WINFIELD ROAD, SUITE 600 WILSON, WI 53190 PHONE: 630-487-5550 WWW.KIMLEY-HORN.COM	DESIGNED BY: JPM	THE OVERLAND GROUP	SITE PLAN	DOLLAR GENERAL NEC HIGHWAY NN & GODFREY LN. TOWN OF EAGLE, WI 53119	ORIGINAL ISSUE: 07/29/2020	
	DRAWN BY: JPM				KHA PROJECT NO. 168708007	
	CHECKED BY: JMM				SHEET NUMBER	
	SCALE: AS NOTED				C3.0	
TOWN COMMENTS		REVISIONS		BY		
1		No.		DATE		
08/14/20		JPM				

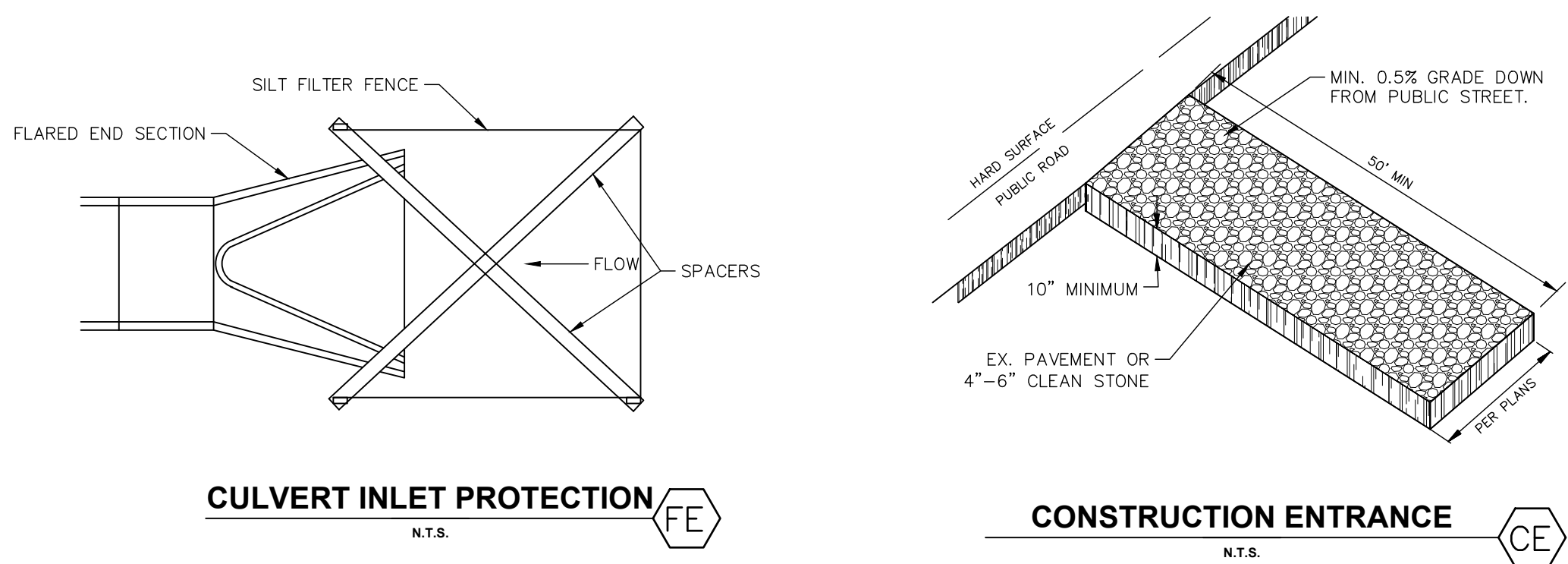
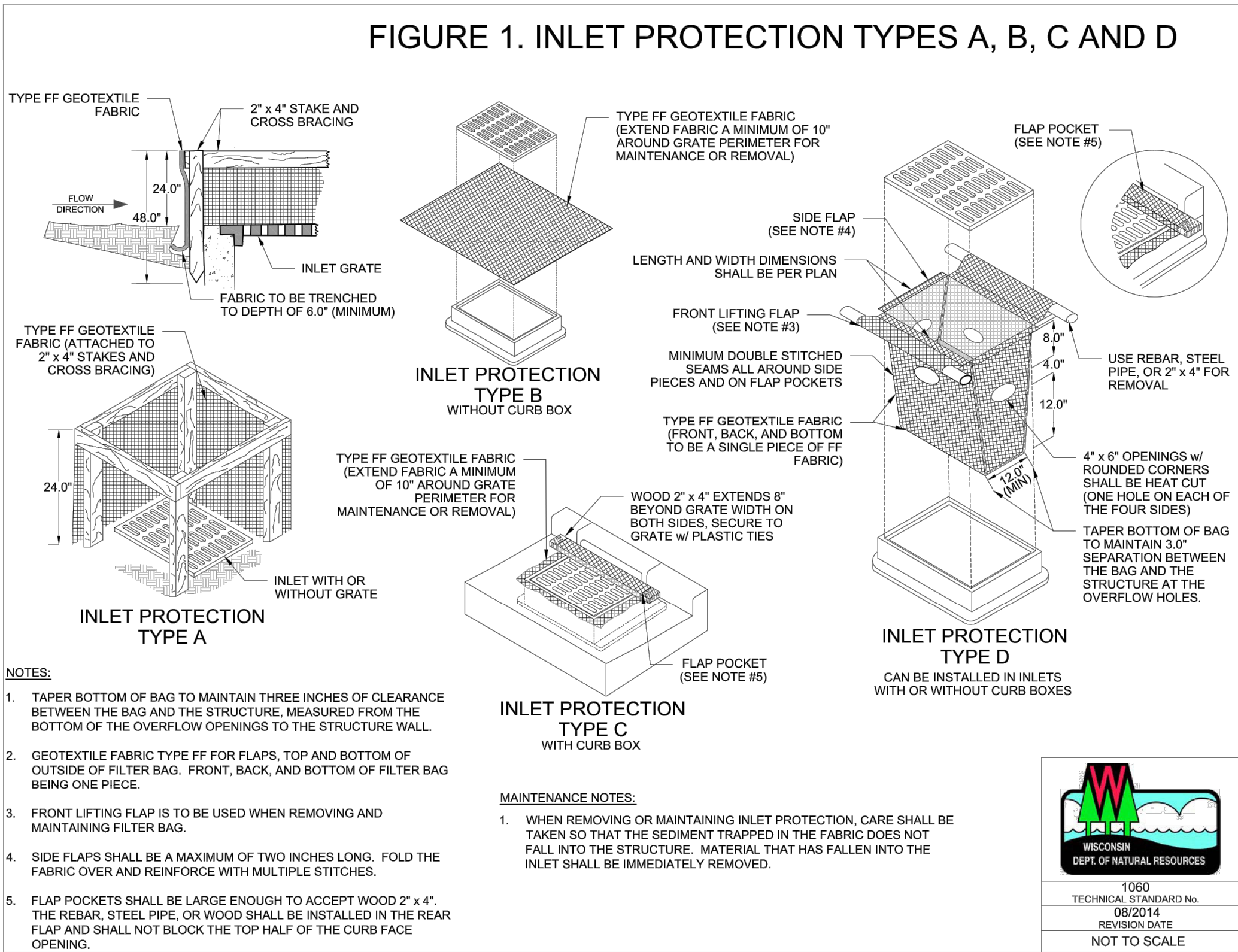


EROSION CONTROL NOTES

1. CONSTRUCTION ENTRANCE SHALL BE LOCATED SO AS TO PROVIDE THE LEAST AMOUNT OF TURBANCE TO THE FLOW OF TRAFFIC IN AND OUT OF THE SITE. ADDITIONALLY, CONSTRUCTION ENTRANCE SHALL BE LOCATED TO COINCIDE WITH THE PHASING OF THE PAVEMENT REPLACEMENT.
2. POST CONSTRUCTION STORM WATER POLLUTION CONTROL MEASURES INCLUDE STABILIZATION BY PERMANENT PAVING, DRAINAGE SYSTEM STRUCTURE, OR LANDSCAPING.
3. TEMPORARY AND PERMANENT STABILIZATION PRACTICES AND BMP'S SHALL BE INSTALLED AT THE EARLIEST POSSIBLE TIME DURING THE CONSTRUCTION SEQUENCE. AS AN EXAMPLE, PERIMETER SILT FENCE SHALL BE INSTALLED IMMEDIATELY FOLLOWING THE COMPLETION OF THE EROSION CONTROL BMP'S. SILT FENCES SHALL BE INSTALLED AS SOON AS PRACTICABLE AND SHALL BE MAINTAINED UNTIL FINAL SITE STABILIZATION IS ATTAINED. CONTRACTOR SHALL ALSO REFERENCE CIVIL AND LANDSCAPE PLANS SINCE PERMANENT STABILIZATION IS PROVIDED BY LANDSCAPING, THE BUILDING(S), AND SITE PAVING.
4. BMP'S HAVE BEEN LOCATED AS INDICATED ON THIS PLAN IN ACCORDANCE WITH GENERALLY ACCEPTED ENGINEERING PRACTICES IN ORDER TO MINIMIZE EROSION AND TRANSPORT OF SEDIMENT. SILT FENCES LOCATED AT TOP OF SLOPE AND INLET PROTECTION FOR INLETS RECEIVING SEDIMENT FROM SITE RUN-OFF.
5. THE PLACEMENT OF EROSION/SEDIMENTATION CONTROLS SHALL BE IN ACCORDANCE WITH THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN.
6. ANY MAJOR VARIATION IN MATERIALS OR LOCATIONS OF CONTROLS OR FENCES FROM THOSE SHOWN ON THE APPROVED PLANS WILL REQUIRE A REVISION AND MUST BE APPROVED BY THE REVIEWING ENGINEER, ENVIRONMENTAL SPECIALIST, OR ARBORIST AS APPROPRIATE. MAJOR REVISIONS MUST BE APPROVED BY THE DESIGN AND DEVELOPMENT DEPARTMENT AND THE CORRAVED UTILITY DEPARTMENT. MINOR CHANGES OR ADDITIONAL CONTROL MEASURES TO BE MADE AS FIELD REVISIONS TO THE EROSION AND SEDIMENTATION CONTROL PLAN MAY BE REQUIRED BY THE ENVIRONMENTAL INSPECTOR DURING THE COURSE OF CONSTRUCTION TO CORRECT CONTROL INADEQUACIES AT NO ADDITIONAL COST TO THE OWNER.
7. CONTRACTOR SHALL PLACE EROSION CONTROL BLANKET (NORTH AMERICAN GREEN S1508N OR APPROVED EQUAL) ON ALL SITE AREAS WITH SLOPES GREATER THAN 4:1, AND IN THE BOTTOM AND SIDE SLOPES OF ALL SWALES.
8. PRIOR TO FINAL ACCEPTANCE, HAUL ROADS AND WATERWAY CROSSINGS CONSTRUCTED FOR TEMPORARY CONTRACTOR ACCESS MUST BE REMOVED, ACCUMULATED SEDIMENT REMOVED FROM THE WATERWAY AND THE AREA RESTORED TO THE ORIGINAL GRADE AND REVEGETATED. ALL LAND CLEARING SHALL BE DISPOSED OF IN APPROVED SPOIL DISPOSAL SITES.
9. PERMANENT, FINAL PLANT COVERING OR STRUCTURES SHALL BE INSTALLED PRIOR TO FINAL ACCEPTANCE.
10. ALL CONTROL DEVICES THAT FUNCTION SIMILARLY TO SILT FENCE OR FIBER ROLLS MUST BE REPAIRED, REPLACED OR SUPPLEMENTED WITH EFFECTIVE CONTROL WHEN THEY BECOME NONFUNCTIONAL OR THE SEDIMENT REACHES ONE-THIRD THE HEIGHT OF THE DEVICE. THESE REPAIRS MUST BE MADE WITHIN 24 HOURS OF THE RAINFALL EVENT OR AS SOON AS FIELD CONDITIONS ALLOW ACCESS.
11. ALL SEDIMENT DELTAS AND DEPOSITS MUST BE REMOVED FROM SURFACE WATERS, DRAINAGE WAYS, CATCH BASINS AND OTHER DRAINAGE SYSTEMS. ALL AREAS WHERE SEDIMENT ACCUMULATED RESULTING IN EXPOSED SOIL MUST BE RESTABILIZED. THE REMOVAL AND STABILIZATION MUST TAKE PLACE IMMEDIATELY, BUT NO MORE THAN 7 DAYS AFTER THE RAINFALL EVENT UNLESS PRECLUDED BY LEGAL, REGULATORY OR PHYSICAL ACCESS CONSTRAINTS. ALL REASONABLE EFFORTS MUST BE USED TO MAINTAIN ACCESS TO THE AREA. IMMEDIATE REMOVAL AND STABILIZATION MUST TAKE PLACE IMMEDIATELY, BUT NO MORE THAN 7 DAYS LATER. CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL APPLICABLE AUTHORITIES AND RECEIVING THE APPLICABLE PERMITS PRIOR TO CONDUCTING ANY WORK.
12. ACCUMULATIONS OF TRACKED AND DEPOSITED SEDIMENT MUST BE REMOVED FROM OFF-SITE EXPOSED SURFACES WITHIN 24 HOURS OR SOONER IF REQUIRED. SEDIMENT TRACKING MUST BE MINIMIZED BY THE APPROPRIATE MANAGEMENT PRACTICE, LIKE A DESIGNATED SITE EXIT WITH AN AGGREGATE SURFACE OR DESIGNATED OFFSITE PARKING AREA. CONTRACTOR IS RESPONSIBLE FOR STREET SWEEPING AND/OR SCRAPING OF YOUR AREAS THAT ARE NOT ADEQUATE TO PREVENT SEDIMENT FROM BEING TRACKED FROM THE SITE.
13. SURFACE WATERS, DRAINAGE DITCHES AND CONVEYANCE SYSTEMS MUST BE INSPECTED FOR SEDIMENT DEPOSITS.
14. THE CONTRACTOR SHALL INSTALL AND MAINTAIN ALL EROSION CONTROL MEASURES AS INDICATED ON THIS SHEET IN ACCORDANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) PREPARED BY KIMLEY-HORN AND ASSOCIATES, INC. THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING THE PROVISIONS INDICATED IN THE SWPPP, INCLUDING EROSION CONTROL MEASURES AND TEMPORARY ACCESS MEASURES, AS REQUIRED BY THE WISCONSIN DNR PERMIT PROGRAM REQUIREMENTS.
15. PUMPING SEDIMENT LADEN WATER INTO ANY STORMWATER FACILITY THAT IS NOT DESIGNATED TO BE A SEDIMENT TRAP, DRAINAGEWAY, OR OFFSITE AREA EITHER DIRECTLY OR INDIRECTLY WITHOUT FILTRATION IS PROHIBITED.
16. SOIL STOCKPILES SHALL NOT BE LOCATED IN A DRAINAGEWAY, FLOOD PLAIN AREA OR A DESIGNATED BUFFER, UNLESS OTHERWISE APPROVED, UNDER SPECIFIC CONDITIONS TO BE ESTABLISHED BY THE DIRECTOR OR ADMINISTRATOR.
17. STOCKPILES TO REMAIN IN PLACE FOR MORE THAN THREE DAYS SHALL BE PROVIDED WITH SESC MEASURES. MATERIAL IS TO BE HAULED OFF IMMEDIATELY AND LEGALLY IF NO STOCKPILE IS TO REMAIN IN PLACE.
18. ALL TEMPORARY SESC MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL STABILIZATION IS ACHIEVED. TRAPPED SEDIMENT AND OTHER DISTURBED SOILS RESULTING FROM TEMPORARY SESC MEASURES SHALL BE PROPERLY DISPOSED OF PRIOR TO PERMANENT STABILIZATION.
19. WATER REMOVED FROM TRAPS, BASINS, AND OTHER WATER HOLDING DEPRESSIONS OR EXCAVATIONS MUST FIRST PASS THROUGH A SEDIMENT CONTROL AND/OR FILTRATION DEVICE. WHEN DEWATERING DEVICES ARE USED, DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION.
20. SITE STABILIZATION REQUIREMENTS ARE AS FOLLOWS:
 - 20.1. WHERE THE INITIATION OF STABILIZATION MEASURE BY THE 7TH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CEASES ON A PORTION OF THE SITE IS PRECLUDED BY SNOW COVER, STABILIZATION MEASURE SHALL BE INITIATED AS SOON AS PRACTICABLE.
 - 20.2. WHERE CONSTRUCTION ACTIVITY WILL RESUME ON A PORTION OF THE SITE WITHIN 14 DAYS FROM WHEN ACTIVITIES CEASED, (E.G. THE TOTAL TIME PERIOD THAT CONSTRUCTION ACTIVITY IS TEMPORARILY CEASED IS LESS THAN 14 DAYS) THEN STABILIZATION MEASURE SHALL BE INITIATED ON THE PORTION OF THE SITE WITHIN 7 DAYS AFTER CONSTRUCTION ACTIVITY TEMPORARILY CEASED.

DOLLAR GENERAL		EROSION CONTROL PLAN		THE OVERLAND GROUP		SCALE: AS NOTED DESIGNED BY: JPM DRAWN BY: JPM CHECKED BY: JMM		Kimley»Horn © 2006 KIMLEY-HORN AND ASSOCIATES, INC. 1000 WEST RICHMOND AVENUE, SUITE 600 WARRENVILLE, IL 60555 PHONE: 630-487-5550 WWW.KIMLEY-HORN.COM											
ORIGINAL ISSUE: 07/29/2020		KHA PROJECT NO. 168708007		SHEET NUMBER		C4.0		1		TOWN COMMENTS		08/14/20		JPM					
								No.		REVISIONS		DATE		BY					

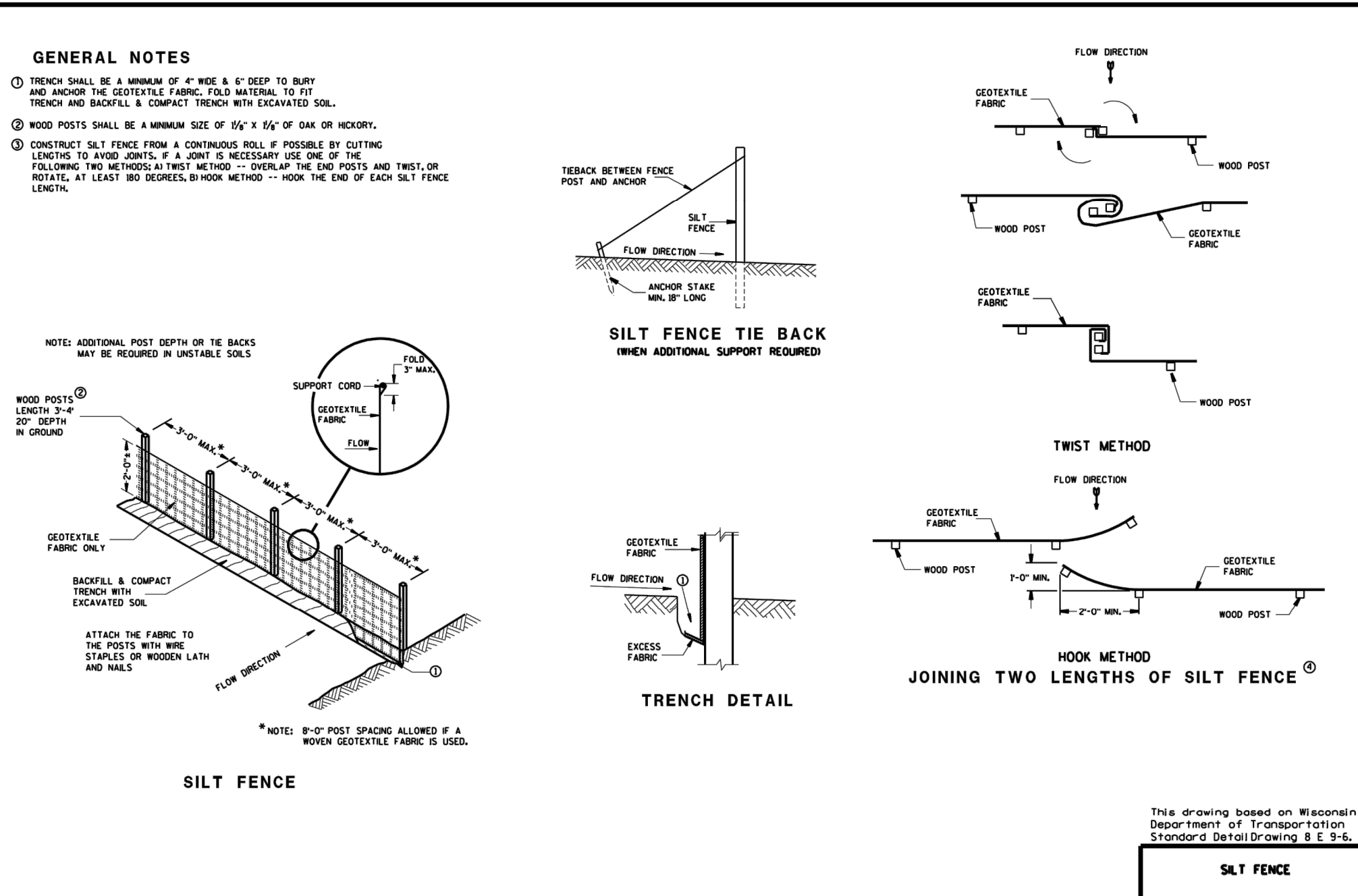
Drawing name: K:\GIS\LDE\168708007_DollarGeneral_Erge_MV2 Design\CAD\PlanSheets\Final Engineering\C4.1 Aug 17, 2020 9:03am by: brethickey
This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
 2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" DEEP X 6" WIDE TRENCH WITH APPROXIMATELY 12" OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH AS SHOWN IN DETAIL 2. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE BLANKET.
 3. ROLL THE BLANKETS (A) DOWN OR (B) HORIZONTALLY ACROSS THE SLOPE. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS PER MANUFACTURER'S RECOMMENDATION.
 4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH MINIMUM 6" OVERLAP. TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE SEAM STITCH ON THE PREVIOUSLY INSTALLED BLANKET.
 5. CONSECUTIVE BLANKETS SPICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART ACROSS ENTIRE BLANKET WIDTH.
 6. PLACE STAPLES/STAKES PER MANUFACTURER'S RECOMMENDATION FOR THE APPROPRIATE SLOPE BEING APPLIED.
- NOTES:**
1. IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" MAY BE NECESSARY TO PROPERLY SECURE THE BLANKETS.
 2. FOLLOW EROSION CONTROL TECHNOLOGY COUNCIL SPECIFICATION FOR PRODUCT SELECTION.
 3. PREVIOUS LAND WITH SLOPES RUNNING GREATER THAN OR EQUAL TO 4:1 SHALL CONTAIN SLOPE STABILIZATION BLANKET

EROSION CONTROL BLANKET (SLOPE INSTALLATION)

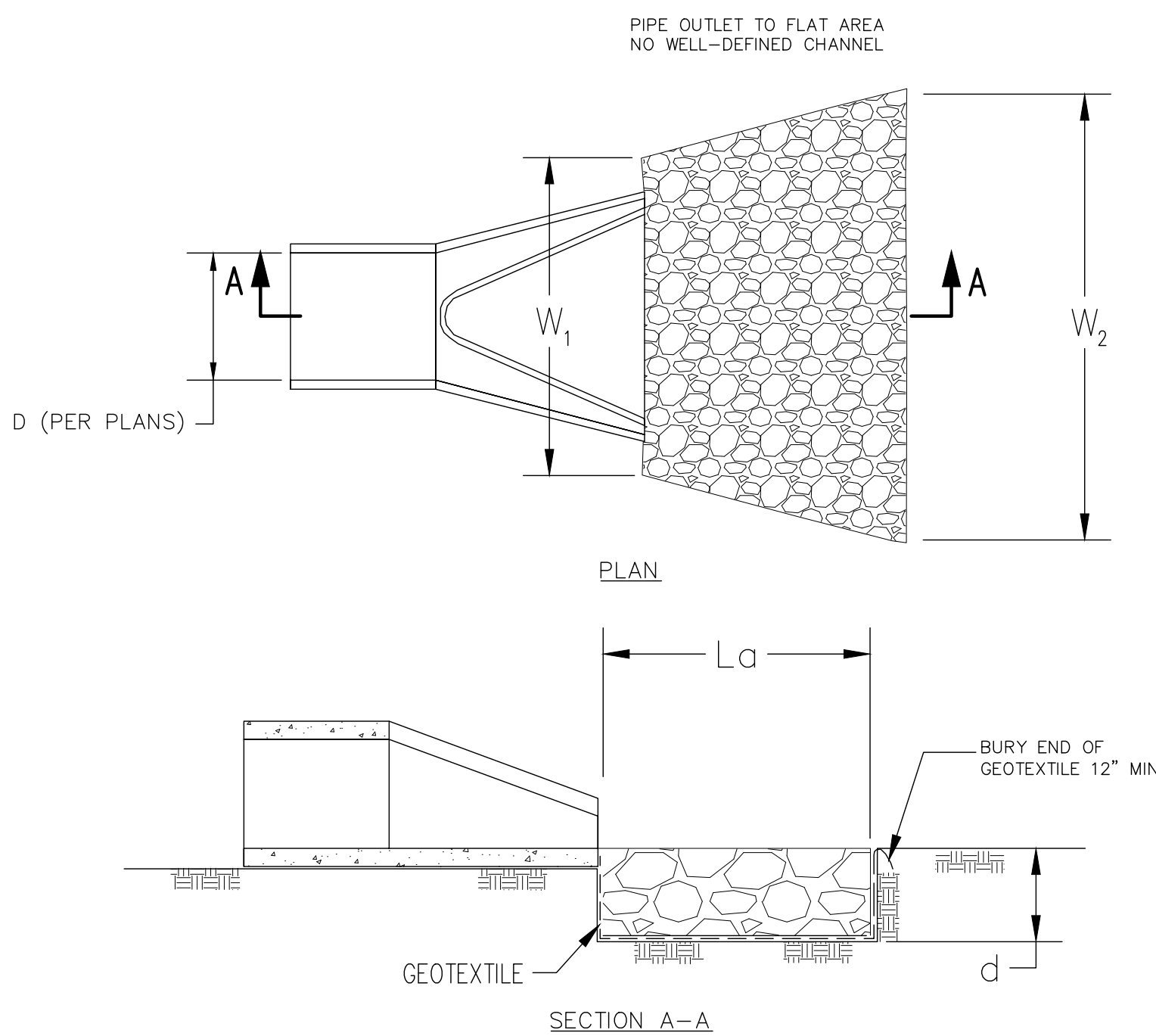
N.T.S.



STABILIZATION TYPE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
PERMANENT SEEDING			A			*	*					
DORMANT SEEDING	B									B		
TEMPORARY SEEDING			C			D						
SODDING			E									
MULCHING	F		**									

- A KENTUCKY BLUEGRASS 90 LBS/ACRE MIXED WITH PERENNIAL RYEGRASS 30 LBS/ACRE
- B KENTUCKY BLUEGRASS 135 LBS/ACRE MIXED WITH PERENNIAL RYEGRASS 45 LBS/ACRE + 2 TONS STRAW MULCH/ACRE
- C SPRING OATS 100 LBS/ACRE
- D WHEAT OR CEREAL RYE 150 LBS/ACRE
- E SOD
- F STRAW MULCH 2 TONS/ACRE
- * WATERING NEEDED DURING JUNE AND JULY
- ** WATERING NEEDED FOR 2 TO 3 WEEKS AFTER APPLYING SOD

SEEDING CHART



- NOTES:**
1. THE ROCK RIPRAP SHALL MEET IDOT REQUIREMENTS FOR GRADATION NO. RR-3 & RR-4, QUALITY DESIGNATION "A".
 2. GEOTEXTILE (NON-WOVEN) MINIMUM CRITERIA:
 - 2.1. WEIGHT OF GEOTEXTILE (OZ/SQ. YD.) 6
 - 2.2. TENSILE STRENGTH (LB) ASTM D 4632 180
 - 2.3. ELONGATION AT FAILURE (%) ASTM D 4632 ≥ 50
 - 2.4. PUNCTURE (LB) ASTM D 4833 80
 - 2.5. ULTRAVIOLET LIGHT (% RESIDUAL TENSILE STRENGTH) ASTM D 4355 MIN 70
 - 2.6. APPARENT OPENING SIZE (AOS) ASTM D 4751 MAX 40 SIEVE
 - 2.7. PERMITTIVITY SEC-1 ASTM D 4491 MIN 0.70
 3. ANY GEOTEXTILE SPLICES SHALL OVERLAP A MINIMUM OF 18 INCHES, WITH UPSTREAM OR UPSLOPE GEOTEXTILE OVERLAPPING THE ABUTTING DOWNSLOPE GEOTEXTILE.
 4. APRON WIDTH W1 SHALL BE 3 TIMES THE CULVERT PIPE DIAMETER. APRON WIDTH W2 SHALL BE EQUAL TO L1 PLUS THE PIPE DIAMETER.
 5. ROCK THICKNESS D SHALL BE AT LEAST 1.5 TIMES THE RIPRAP D100 SIZE.
 6. APRON LENGTH L1 AND ROCK RIPRAP HAS BEEN SIZED ACCORDING TO ILLINOIS URBAN MANUAL ROCK OUTLET PROTECTION STANDARD 910 BASED CALCULATED VELOCITY FOR THIS PROJECT SITE. PLEASE SEE TABLE 1 FOR DETAILS.

RIPRAP DIMENSION TABLE							
INLET PIPE SIZE d (IN)	LENGTH OF APRON L1 (FT)	MEDIAN RIPRAP SIZE C (IN)	WIDTH OF APRON U/S FACE W1 (FT)	WIDTH OF APRON D/S FACE W2 (FT)	DEPTH OF RIPRAP d (IN)	AREA OF RIPRAP (SQ)	VOLUME OF RIPRAP (CY)
12	10	6	3.00	13.00	15	8.89	3.7
15	10	6	3.75	13.75	15	9.72	4.1
18	15	9	4.50	19.50	20	20.00	11.1
21	15	9	5.25	20.25	20	21.25	11.8
24	18	9	6.00	24.00	20	30.00	16.7
27	18	9	6.75	24.75	20	31.50	17.5
30	20	9	7.50	27.50	20	38.89	21.6
36	24	12	9.00	33.00	28	56.00	43.6
42	27	12	10.50	37.50	30	72.00	60.0
48	27	15	12.00	39.00	32	76.50	68.0
54	27	15	13.50	40.50	32	81.00	72.0
60	36	15	15.00	51.00	32	132.00	118.0
72	44	18	18.00	62.00	32	195.56	174.0

RIP RAP DETAIL OUTLET PROTECTION

N.T.S.

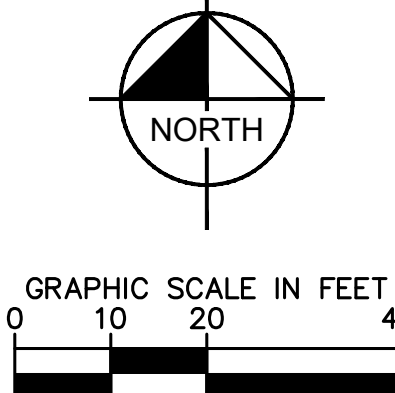
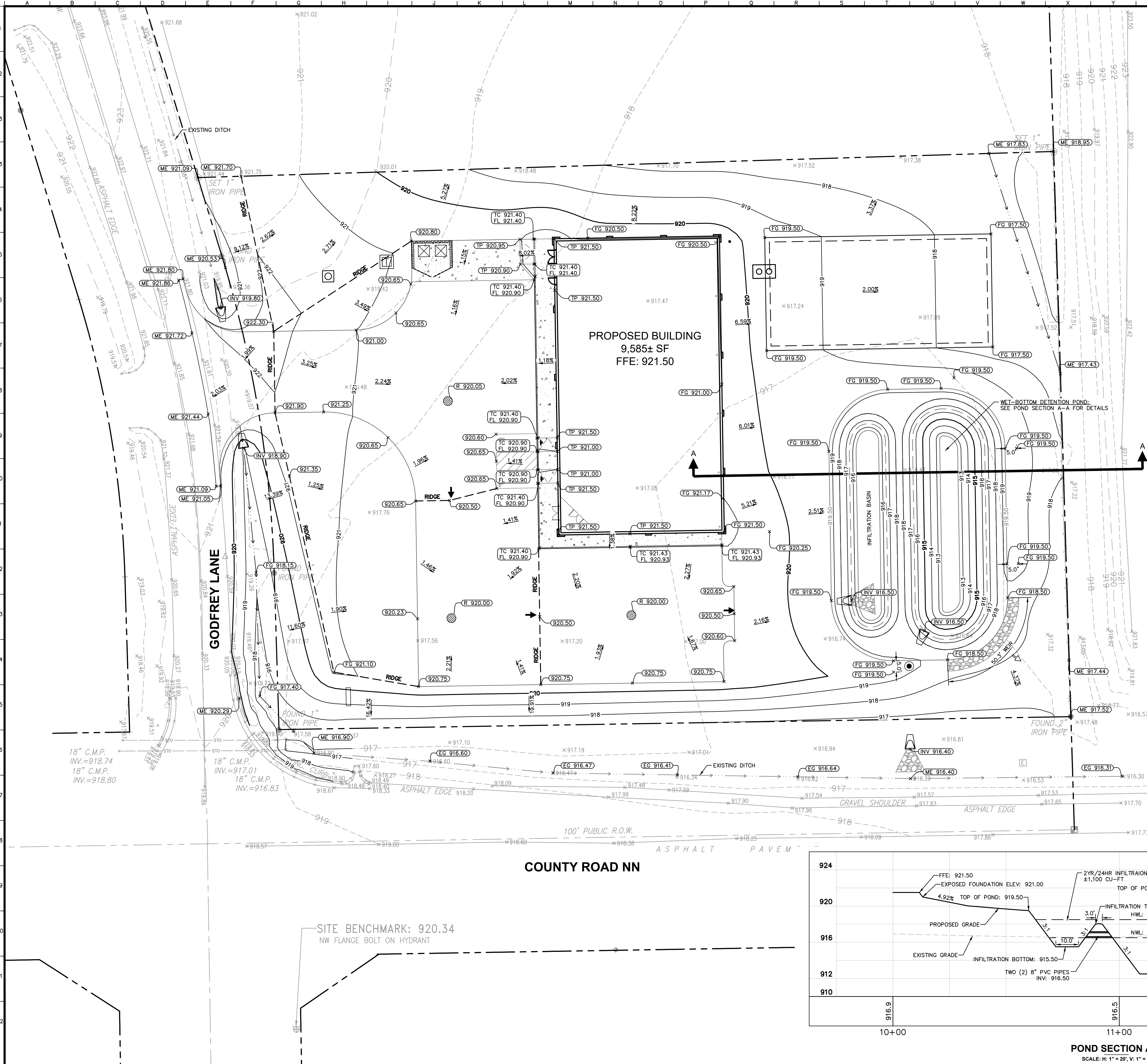
DIGGERS HOTLINE

1-800-242-8511

CONCRETE WASHOUT
N.T.S.

DESIGNED BY: JPM	DRAWN BY: JPM	CHECKED BY: JMM
SCALE: AS NOTED		
TOWN COMMENTS		
DATE		
BY		
JPM		
08/14/20		
1		
No.		
Kimley»Horn		
© 2020 KIMLEY-HORN AND ASSOCIATES, INC.		
4201 WINFIELD ROAD, SUITE 600		
WILSON, WISCONSIN 53191		
PHONE: 608-487-5550		
WWW.KIMLEY-HORN.COM		
THE OVERLAND GROUP		
EROSION CONTROL NOTES & DETAILS		
DOLLAR GENERAL		
NEC HIGHWAY NN & GODFREY LN.		
TOWN OF EAGLE, WI 53119		
ORIGINAL ISSUE: 07/29/2020		
KHA PROJECT NO. 168708007		
SHEET NUMBER		
C4.1		

Drawing name: K:\GIS\LDE\168708007_DollarGeneral_Edge_MW2_Design\CAD\PlanSheets\Final Engineering\C5.0 Aug 17, 2020 9:03am by: brethickey
This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

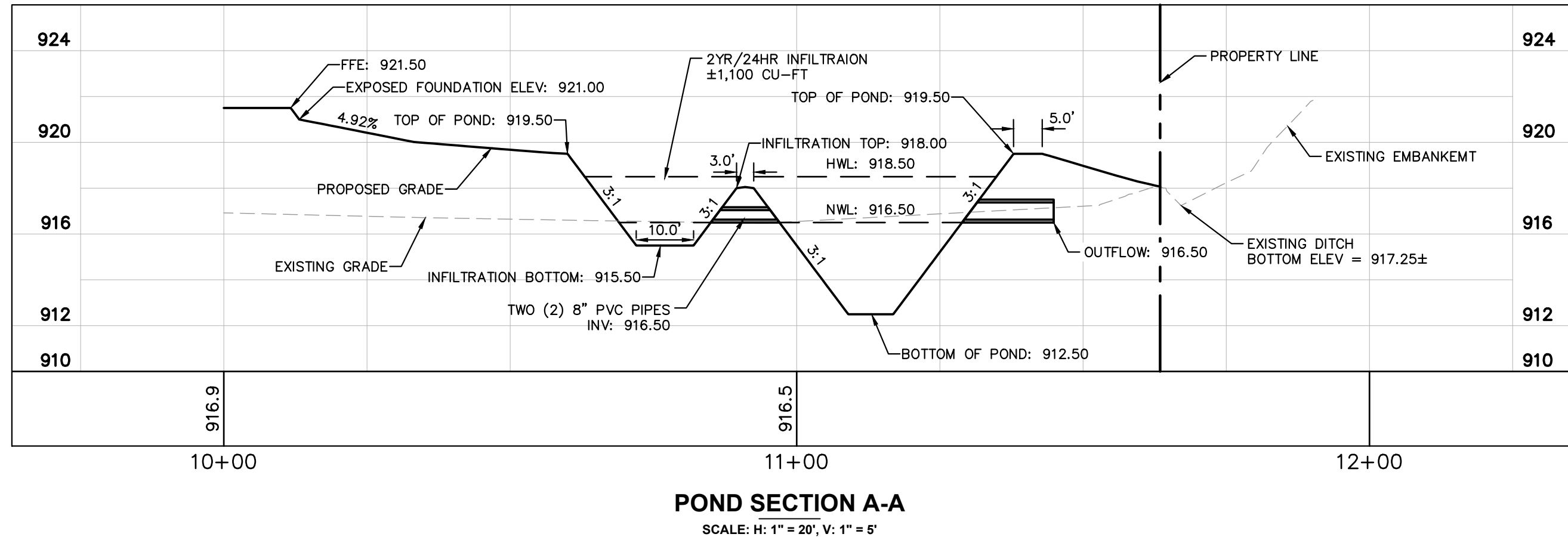


GRADING NOTES

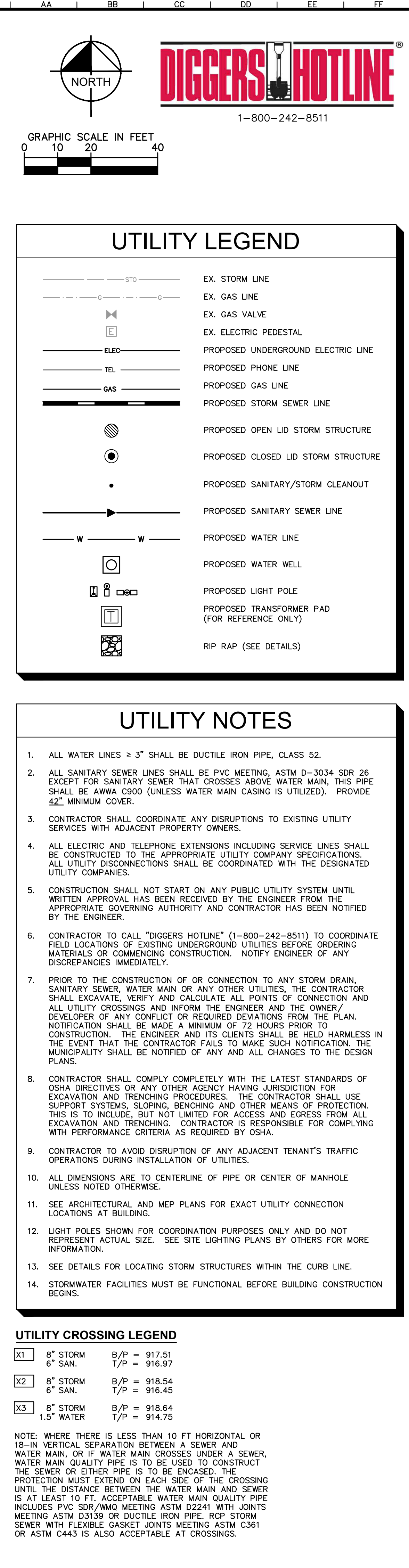
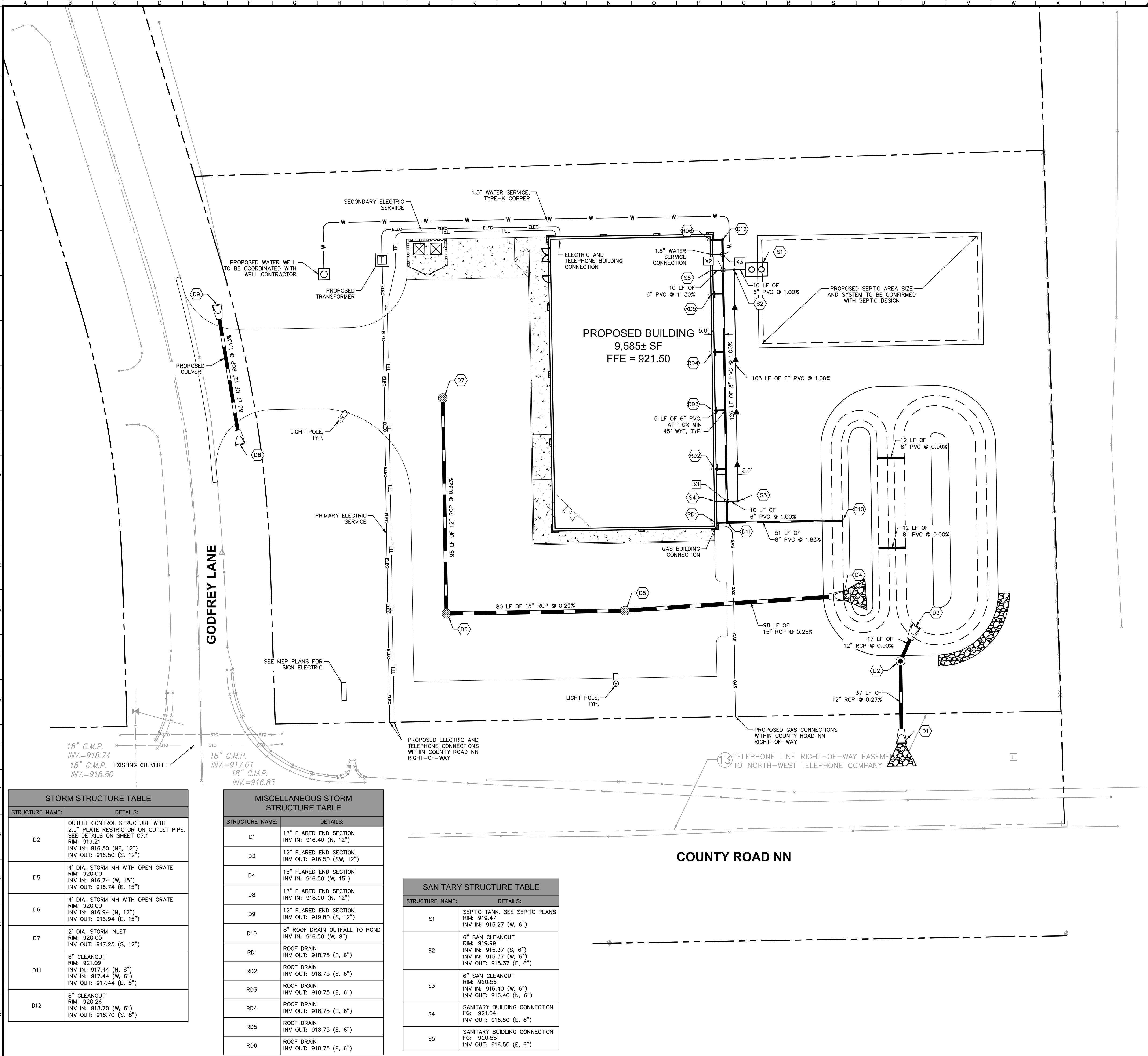
- CONTRACTOR TO VERIFY ALL EXISTING TOPOGRAPHY AND STRUCTURES ON THE SITE AND IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO STARTING WORK.
- ALL PAVEMENT SPOT GRADE ELEVATIONS AND RIM ELEVATIONS WITHIN OR ALONG CURB AND GUTTER REFER TO FLOW LINE ELEVATIONS UNLESS OTHERWISE NOTED.
- ALL ELEVATIONS SHOWN DEPICT FINISHED GRADE UNLESS OTHERWISE NOTED. GENERAL CONTRACTOR TO COORDINATE WITH EXCAVATION, LANDSCAPE AND PAVING SUBCONTRACTORS REGARDING TOPSOIL THICKNESS FOR LANDSCAPE AREAS AND PAVEMENT SECTION THICKNESS FOR PAVED AREAS TO PROPERLY ENSURE ADEQUATE CUT TO ESTABLISH SUBGRADE ELEVATIONS.
- NO EARTHEN SLOPE SHALL BE GREATER THAN 3:1, UNLESS OTHERWISE NOTED.
- MAXIMUM SLOPE IN ACCESSIBLE PARKING SPACES AND LOADING ZONES SHALL NOT EXCEED 2.0% IN ALL DIRECTIONS.
- MAXIMUM RUNNING SLOPE SHALL NOT EXCEED 5% AND CROSS SLOPE SHALL NOT EXCEED 2% ON ALL SIDEWALKS AND ACCESSIBLE ROUTES.
- WHEN NATURAL FLOW OF DRAINAGE IS AWAY FROM CURB, CONTRACTOR TO INSTALL REVERSE GUTTER PITCH.
- MATCH EXISTING ELEVATIONS AT THE PROPERTY LIMITS.

GRADING LEGEND

- TP = TOP OF PAVEMENT
EP = EDGE OF PAVEMENT
FL = FLOW LINE
TC = TOP OF CURB
ME = MATCH ELEVATION
TF = TOP OF FOUNDATION
R = RIM ELEVATION
FG = FINISHED GRADE
- 920 — PROPOSED CONTOUR
- - - 920 - - - EXISTING CONTOUR
- - - RIDGE LINE
X X X SLOPE AND FLOW DIRECTION
100-YEAR OVERLAND OVERFLOW ROUTE
DETENTION BASIN 100-YEAR EMERGENCY OVERLAND OVERFLOW ROUTE
PROPOSED SWALE
RIP RAP (SEE DETAILS)



Kimley»Horn	
© 2020 KIMLEY-HORN AND ASSOCIATES, INC. 4201 WINFIELD ROAD, SUITE 600 PHONE: 630-487-5550 WWW.KIMLEY-HORN.COM	
DESIGNED BY: JPM	DRAWN BY: JPM
CHECKED BY: JMM	DATE: 08/14/20
TOWN COMMENTS	
REVISIONS	
1	
No.	
THE OVERLAND GROUP	
GRADING PLAN	
DOLLAR GENERAL	
NEC HIGHWAY NN & GODFREY LN. TOWN OF EAGLE, WI 53119	
ORIGINAL ISSUE: 07/29/2020	
KHA PROJECT NO. 168708007	
SHEET NUMBER	
C5.0	






[illegible]

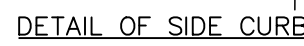


GENERAL NOTES:

1. THE MAXIMUM SLOPE OF THE SIDE FLARE FOR TYPE B RAMPS SHALL BE 1:10; HOWEVER, IF THE WIDTH OF THE LANDING AREA BETWEEN THE TOP OF THE RAMP AND AN OBSTRUCTION IS LESS THAN $1.2m$ (4'-0") THEN THE MAXIMUM SLOPE SHALL BE 1:12.
2. ALL SLOPE RATIOS ARE EXPRESSED AS UNITS OF VERTICAL DISPLACEMENT TO UNITS OF HORIZONTAL DISPLACEMENT (V:H).
3. ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.
4. RAMP DETAILS TO BE COORDINATED PER VILLAGE REQUIREMENTS.
5. DETECTABLE WARNINGS SHALL CONSIST OF TRUNCATED DOMES WHICH CONTRAST VISUALLY WITH ADJOINING SURFACES, EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT.
6. CONTRACTOR TO SELECT ADA DETECTABLE WARNING PERMEABLE PAVERS OR CONCRETE WITH ADA DETECTABLE WARNING DOMES FOR RAMPS.

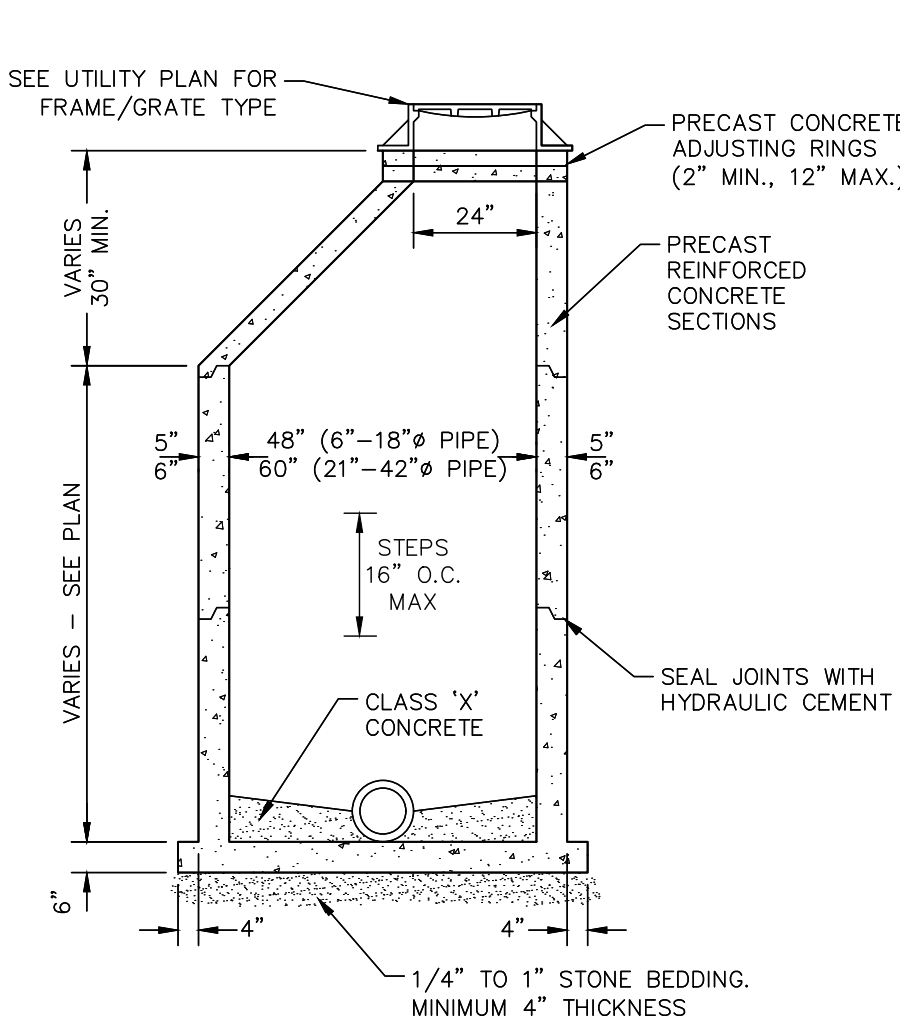
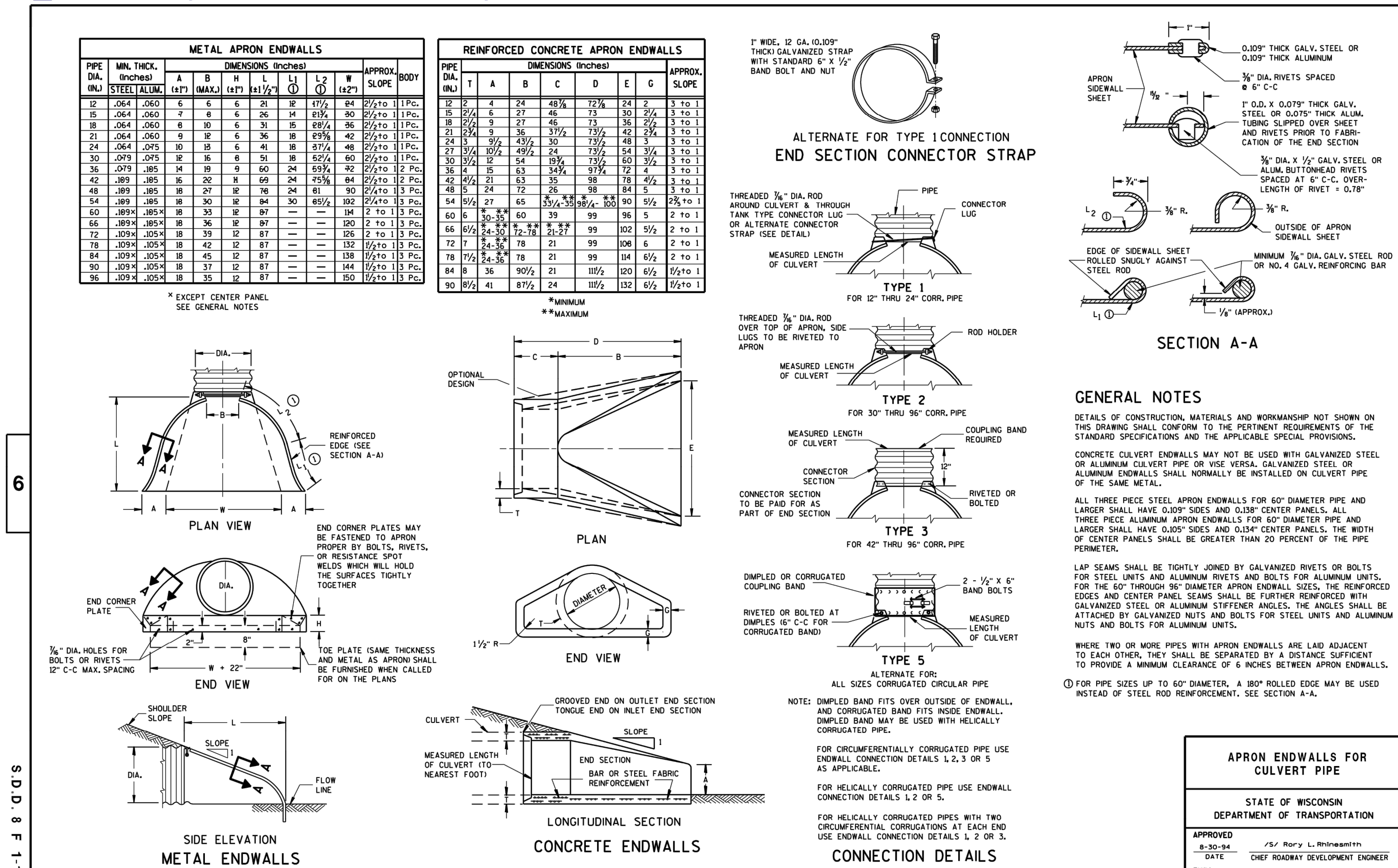
LEGEND

-  SIDEWALK
 RAMP
 DETECTABLE WARNINGS
 NON WALKING AREA
 FACE OF BUILDING

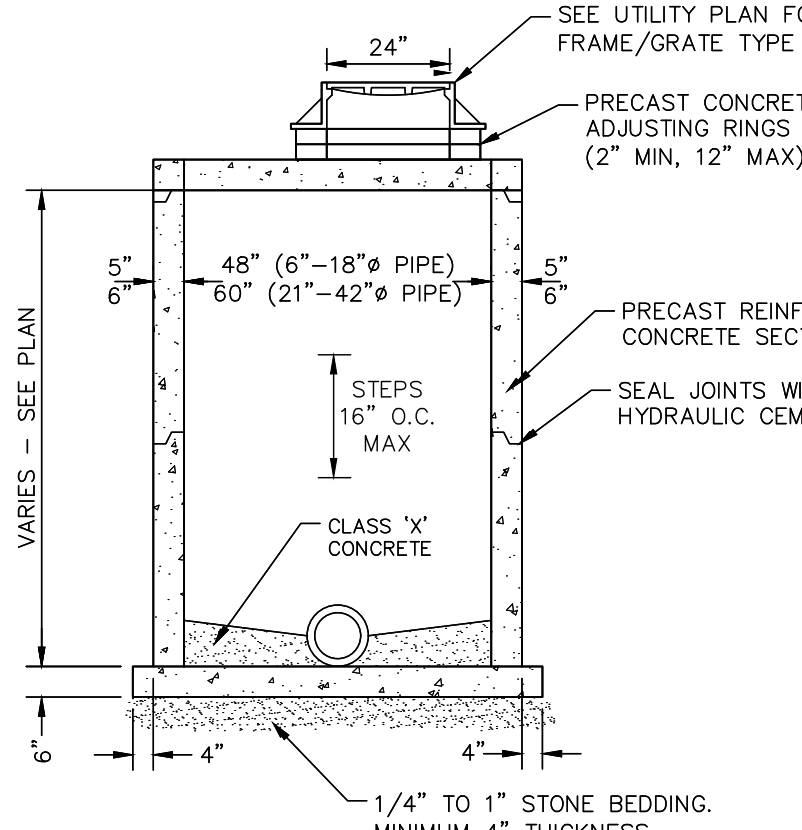
[illegible]

Drawing name: K:\GIS\LDS\168708007_DollarGeneral_Eggs_MW2 Design\CAD\PiaSheets\Final Engineering\07.0 - CONSTRUCTION DETAILS.dwg C7.1 Aug 17, 2020 8:04am by brethickey
This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

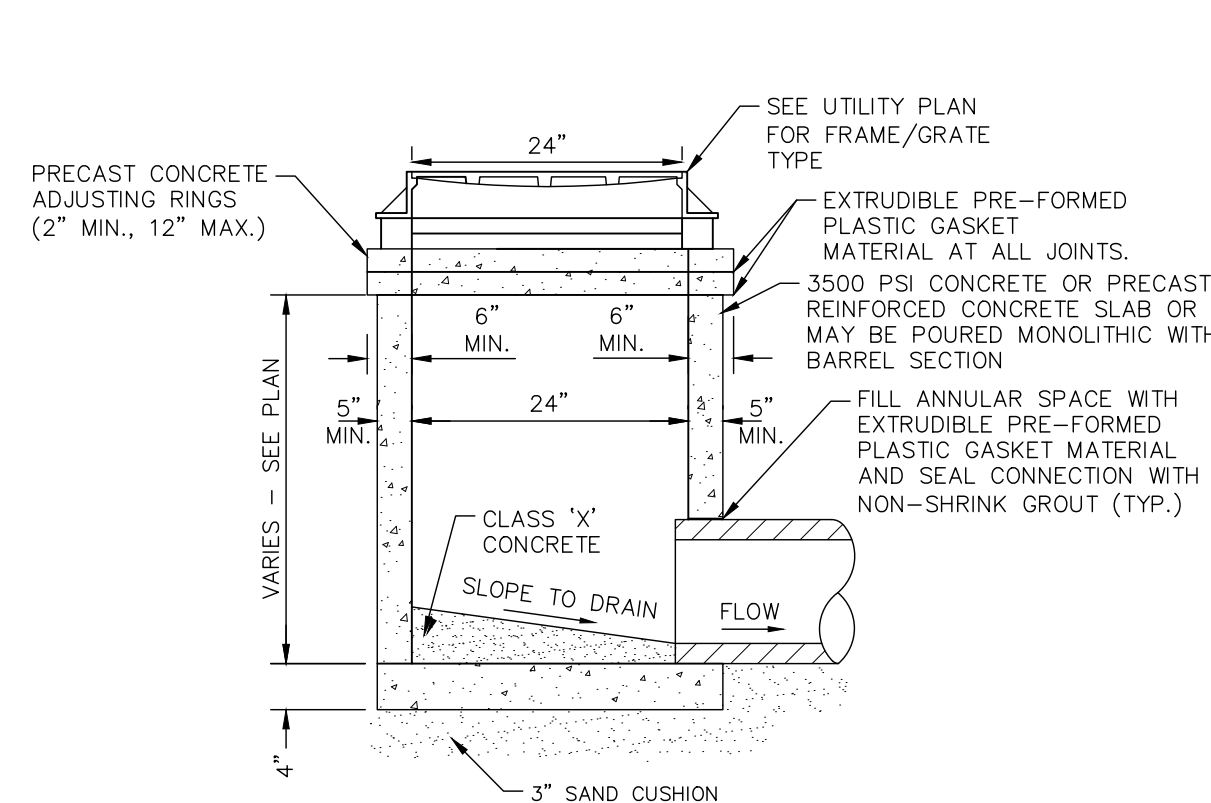
SDD 8f1 Apron Endwalls for Culvert Pipe



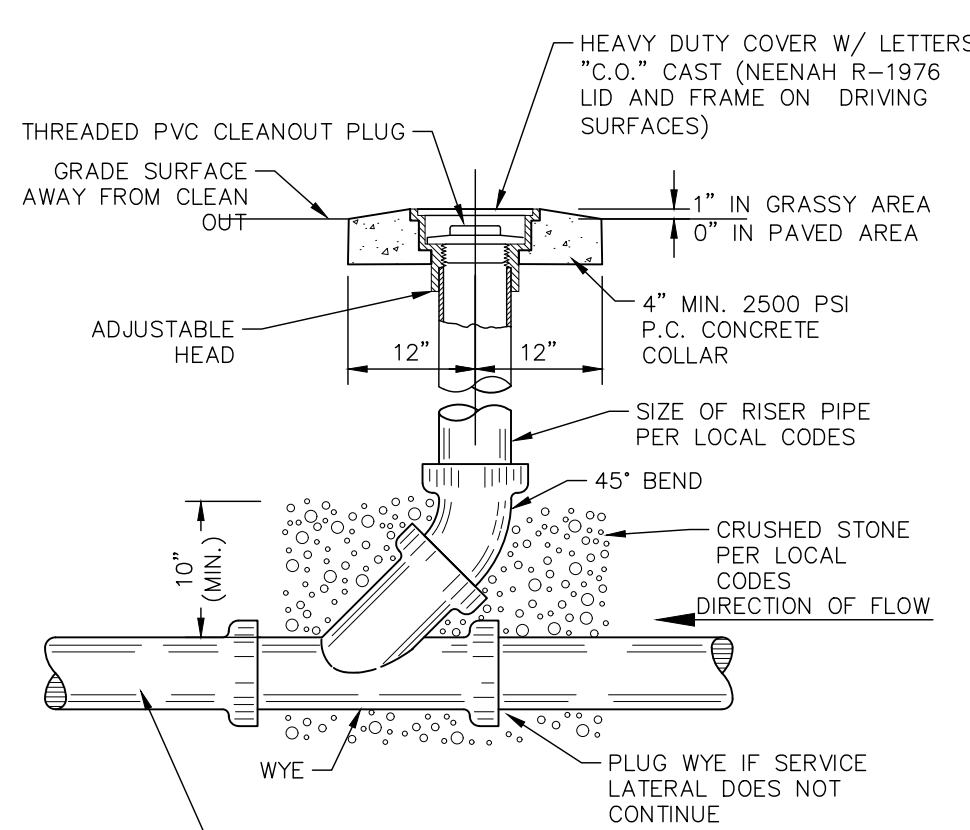
STORM MANHOLE TYPE A
N.T.S.



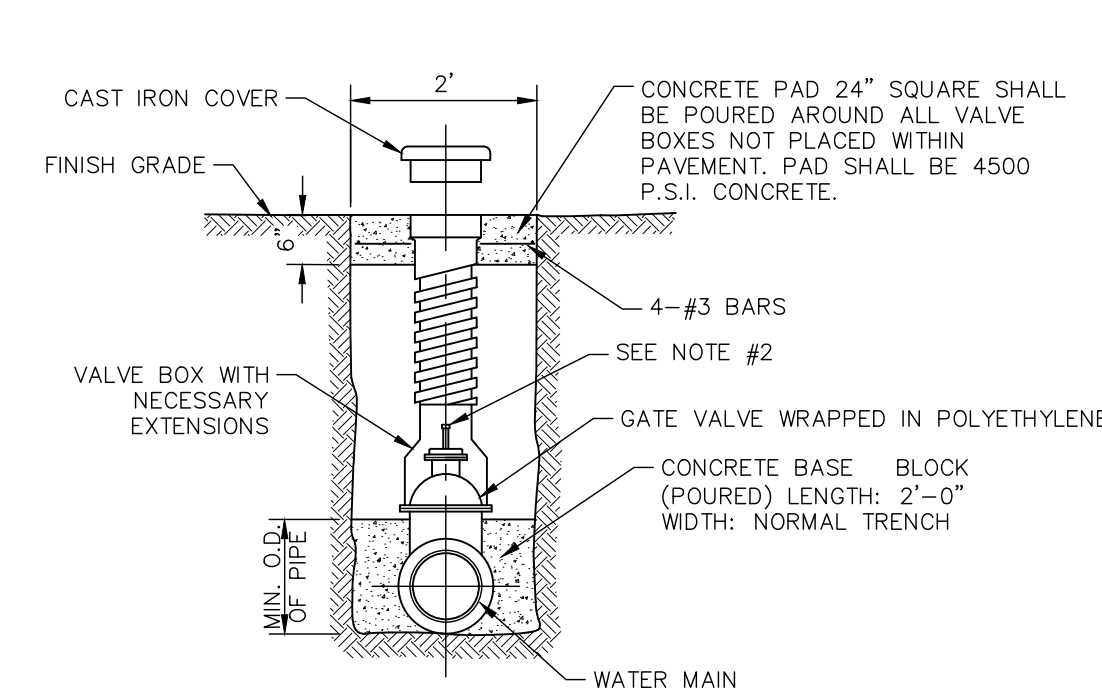
STORM MANHOLE (FLAT TOP)
N.T.S.



2' DIAMETER STORM INLET
N.T.S.

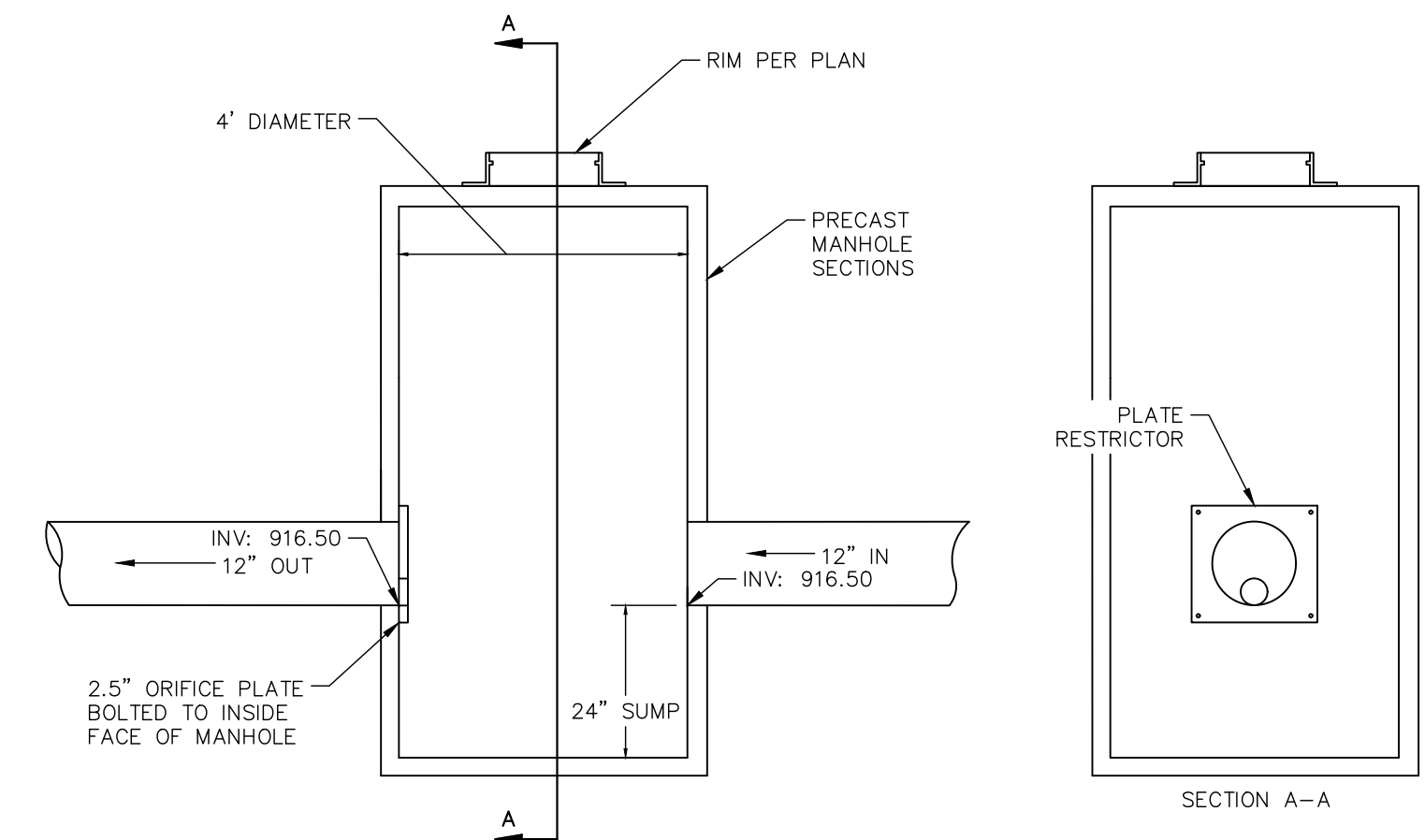


SANITARY/STORM CLEAN-OUT
N.T.S.



- NOTES:
1. 4"-12" R.S. GATE VALVES SHALL BE IN ACCORDANCE WITH AWWA STANDARD C-509.
 2. A PERMANENTLY ATTACHED VALVE EXTENSION STEM SHALL BE REQUIRED IF THE OPERATING NUT FOR ANY VALVE IS LOCATED IN EXCESS OF 4' BELOW THE TOP OF THE VALVE BOX. THIS EXTENSION SHALL BE SUFFICIENT LENGTH TO ENSURE THAT THE TOP IS WITHIN 4' OF THE VALVE BOX LID.
 3. DUCTILE IRON OR C-900 PVC PIPE SHALL BE USED FOR VALVE STACKS WITH VALVE BOX CASTING.
 4. PLACE A BLUE DOT (3") ON NEAREST CURB FACE TO VALVE.
 5. FOR GATE VALVES < 16" (FOR GATE VALVES ≥ 16" USE HORIZONTAL GATE VALVE)

TYPICAL VALVE SETTING AND BOX
N.T.S.



OUTLET CONTROL STRUCTURE (D2)
N.T.S.

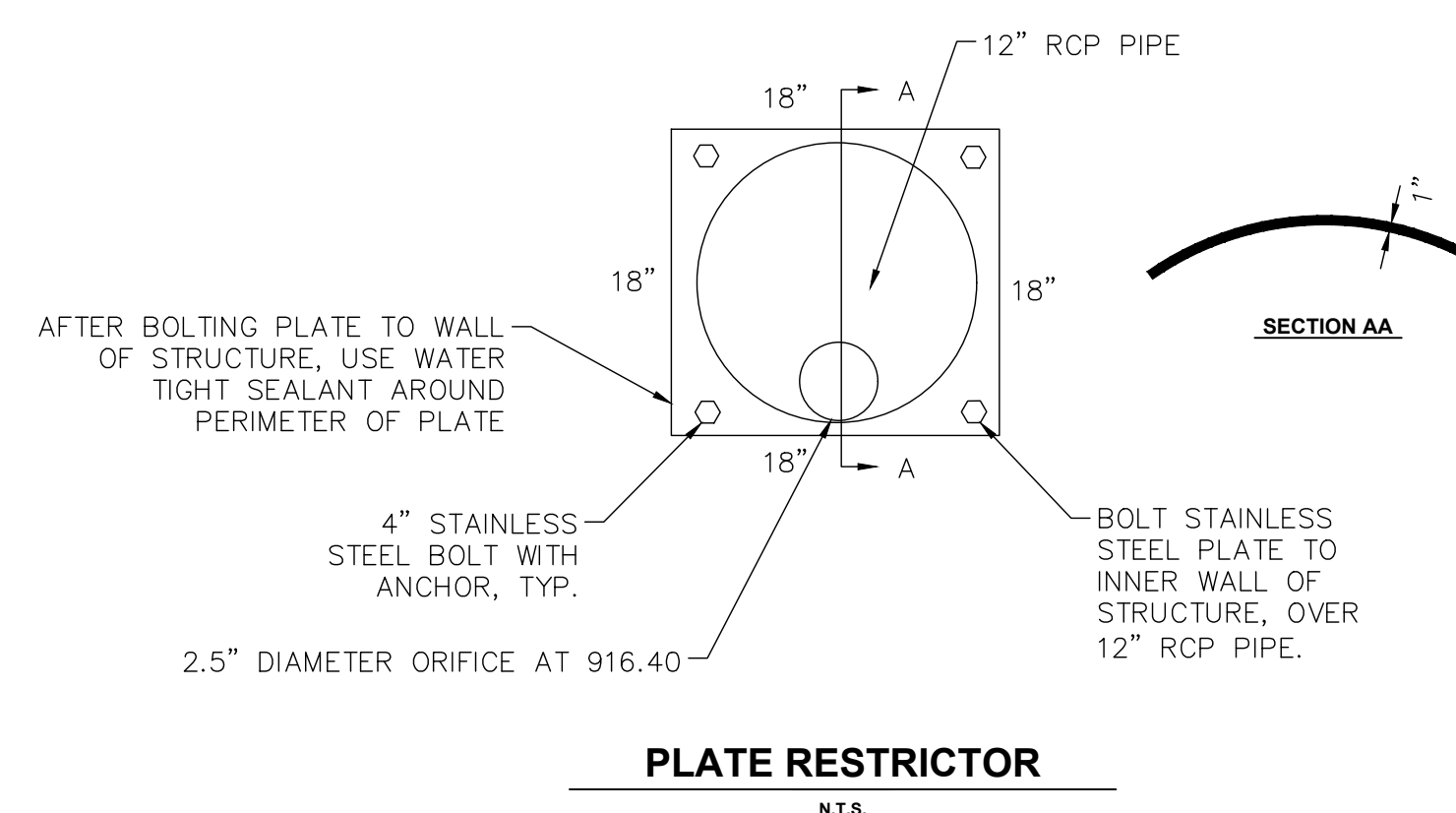


PLATE RESTRICTOR
N.T.S.

Kimley»Horn
© 2020 KIMLEY-HORN AND ASSOCIATES, INC.
4251 WATFIELD ROAD, SUITE 600
MILWAUKEE, WI 53212
PHONE: 630-487-5550
WWW.KIMLEY-HORN.COM

SCALE: AS NOTED
DESIGNED BY: JPM
DRAWN BY: JPM
CHECKED BY: JMM

THE OVERLAND GROUP
CONSTRUCTION DETAILS

DOLLAR GENERAL
NEC HIGHWAY NN & GODFREY LN.
TOWN OF EAGLE, WI 53119

ORIGINAL ISSUE:
07/29/2020
KHA PROJECT NO.
168708007
SHEET NUMBER

C7.1

Drawing name: K:\GIS\LDS\168708007_DollarGeneral_Eagle_WI\2_Design\CAD\PlanSheets\Final Engineering\L1.0 - LANDSCAPE PLAN.dwg Aug 17, 2020 9:04am by: brethickey
This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

MESIC LOW-PROFILE PRAIRIE SEED MIX

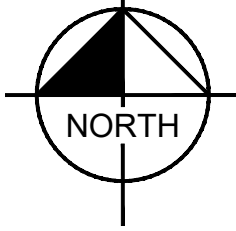
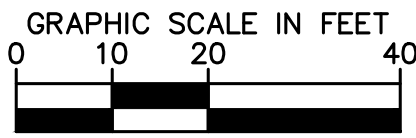
BOTANICAL NAME	COMMON NAME	LBS / ACRE	% OF TOTAL
GRASSES, SEDGES, & RUSHES			
Avena sativa	Common Oat	20.0	50.0%
Bouteloua curtipendula	Side-Oats Grama	5.0	12.5%
Lolium multiflorum	Annual Rye	10.0	25.0%
Panicum virgatum	Switch Grass	0.5	1.3%
Schizachyrium scoparium	Little Bluestem	4.0	10.0%
Sporobolus heterolepsis	Prairie Dropseed	0.25	0.6%
TOTAL LBS PER ACRE:		39.75	99.4%
FORBS & BROADLEAVES			
Coreopsis palmata	Prairie Coreopsis	0.10	0.3%
Echinacea purpurea	Purple Coneflower	0.15	0.4%
FORBS & BROADLEAVES LBS PER ACRE:		0.25	0.6%
SEED MIX TOTAL LBS PER ACRE:		40.00	

WET-MESIC PRAIRIE PLUG MIX

BOTANICAL NAME	COMMON NAME	QTY / ACRE	% OF TOTAL
Bouteloua curtipendula	Side Oats Grama	750	15%
Echinacea purpurea	Purple Coneflower	500	10%
Elymus canadensis	Canada Wild Rye	1,000	20%
Juncus effusus	Common Rush	750	15%
Panicum virgatum	Switch Grass	1,500	30%
Rudbeckia hirta	Black-Eyed Susan	500	10%
TOTAL PLUGS PER ACRE:		5,000	

PLANT SCHEDULE

TREES		CODE	QTY	BOTANICAL / COMMON NAME	CONT	CAL	SIZE	
	AA2	3	ACER FREEMANII 'AUTUMN BLAZE' / AUTUMN BLAZE MAPLE	B & B	2"	CAL MIN		
	PA	4	PICEA ABIES / NORWAY SPRUCE	B & B		4' HT MIN		
	PF	7	PINUS FLEXILIS 'VANDERWOLF'S PYRAMID' / VANDERWOLF'S PYRAMID PINE	B & B		4' HT MIN		
	TM	2	TILIA AMERICANA 'MCKSENTRY' / SENTRY LINDEN	B & B	2"	CAL MIN		
SHRUBS		CODE	QTY	BOTANICAL / COMMON NAME	CONT	SPACING	SIZE	SPACING
	AI2	20	ARONIA MELANOCARPA 'IROQUOIS BEAUTY' / BLACK CHOKEBERRY	-	SEE PLAN	36" HT MIN	48" o.c.	
	JF2	9	JUNIPERUS CHINENSIS 'FAIRVIEW' / FAIRVIEW JUNIPER	-	SEE PLAN	5' HT MIN	60" o.c.	
	SF	9	SPIRAEA JAPONICA 'NEON FLASH' / NEON FLASH SPIREA	-	SEE PLAN	18" HT MIN	48" o.c.	
	TT	37	TAXUS X MEDIA 'TAUNTONII' / TAUTON YEW	-	SEE PLAN	24" HT MIN	48" o.c.	
SHRUB AREAS		CODE	QTY	BOTANICAL / COMMON NAME	CONT	SPACING		
	JE	358	JUNCUS EFFUSUS / COMMON RUSH	2" PLUG	24" o.c.			
			MESIC LOW-PROFILE PRAIRIE SEED MIX					
			TURF SEED					
GROUND COVERS				BOTANICAL / COMMON NAME				
			WET-MESIC PRAIRIE PLUG MIX					
			TURF SEED					



LANDSCAPE CODE		
CODE	REQUIRED	PROVIDED
STREET FRONTAGE		
60 POINTS FOR EVERY 100 LF	350/100=3.5*60=210	2 TALL DECIDUOUS TREES=60 4 EVERGREEN TREES=160 220 POINTS
BUILDING FOUNDATION		
25 POINTS FOR EVERY 100 FEET OF BUILDING FOUNDATION PERIMETER	400/100=4*25=100	1 EVERGREEN TREE=40 12 MEDIUM EVERGREEN SHRUBS=60 100 POINTS
PARKING LOT LANDSCAPE		
120 POINTS FOR EVERY 10,000 SF OF PAVED AREA	16,510.58/10,000=1.65*120=198 POINTS	3 TALL DECIDUOUS TREE=90 15 TALL DECIDUOUS SHRUBS=75 7 MEDIUM EVERGREEN SHRUBS=35 200 POINTS
INTERIOR PARKING LOT LANDSCAPE		
10 POINTS FOR EVERY 1,000 SF OF BUILDING FLOOR AREA	9,100 SF/1,000=9 POINTS	9 LOW DECIDUOUS SHRUBS=9 9 POINTS

*SCREENING OF UTILITIES PROVIDED
ADDITIONAL LANDSCAPE PROVIDED FOR SCREENING (SOUTH AND EAST SIDE)

ORIGINAL ISSUE:
07/29/2020
KHA PROJECT NO.
168708007
SHEET NUMBER

DOLLAR GENERAL
NEC HIGHWAY NN & GODFREY LN.
TOWN OF EAGLE, WI 53119

LANDSCAPE
PLAN

THE OVERLAND
GROUP

Kimley»Horn
© 2020 KIMLEY-HORN AND ASSOCIATES, INC.
4201 WINFIELD ROAD, SUITE 600
EAGLE, WI 53122
PHONE: 630-487-5550
WWW.KIMLEY-HORN.COM

SCALE:	AS NOTED	DESIGNED BY: JPM	DRAWN BY: JPM	CHECKED BY: JMM
REVISIONS	DATE	BY	DATE	BY
1	08/14/20	JPM		
TOWN COMMENTS				

GODFREY LANE

COUNTY ROAD NN

PROPOSED BUILDING
9,566± SF
LOFT COMMUNE E

AREA
88,326 S.F.
2.0277 Acres

(S01°45'31"E, CSM 8669)
N01°44'54"W 2659.96'
EAST LINE OF THE NW 1/4, SEC. 23



- SHREDDED HARDWOOD MULCH
- EXCAVATED BACKFILL
- TAMPED BACKFILL
- SUBGRADE

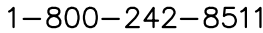


1. APPLY CORRECTIVE PRUNING.
2. SET ROOT BALL OR CONTAINER ON UNEXCAVATED OR TAMPED SOIL. TOP OF ROOTBALL (CONTAINER) SHALL BE ONE INCH ABOVE SURROUNDING GRADE. FOR LARGER SHRUBS, SET ROOTBALL OR CONTAINER ON A DEEPER BED OF SOIL FOR THOSE SHRUBS.
3. REMOVE BURLAP FROM TOP HALF THE LENGTH OF ROOTBALL, TWINE AND (IF USED) SYNTHETIC MATERIAL SHALL BE REMOVED FROM PLANTING BED. FOR CONTAINER GROWN SHRUBS, REMOVE CONTAINER AND LOOSEN ROOTS PRIOR TO INSTALLATION.
4. REMOVE OR CORRECT GIRDLING ROOTS.
5. PLUMB AND BACKFILL WITH AMENDED SOIL PER LANDSCAPE NOTES. WATER THOROUGHLY WITHIN TWO HOURS.
6. APPLY MULCH IN EVEN LAYER, KEEPING AWAY FROM ROOT FLARE. MULCH LIMITS FOR SHRUBS EXTEND TO ALL LIMITS OF PLANTING BED. SEE PLANS FOR BED LAYOUTS.

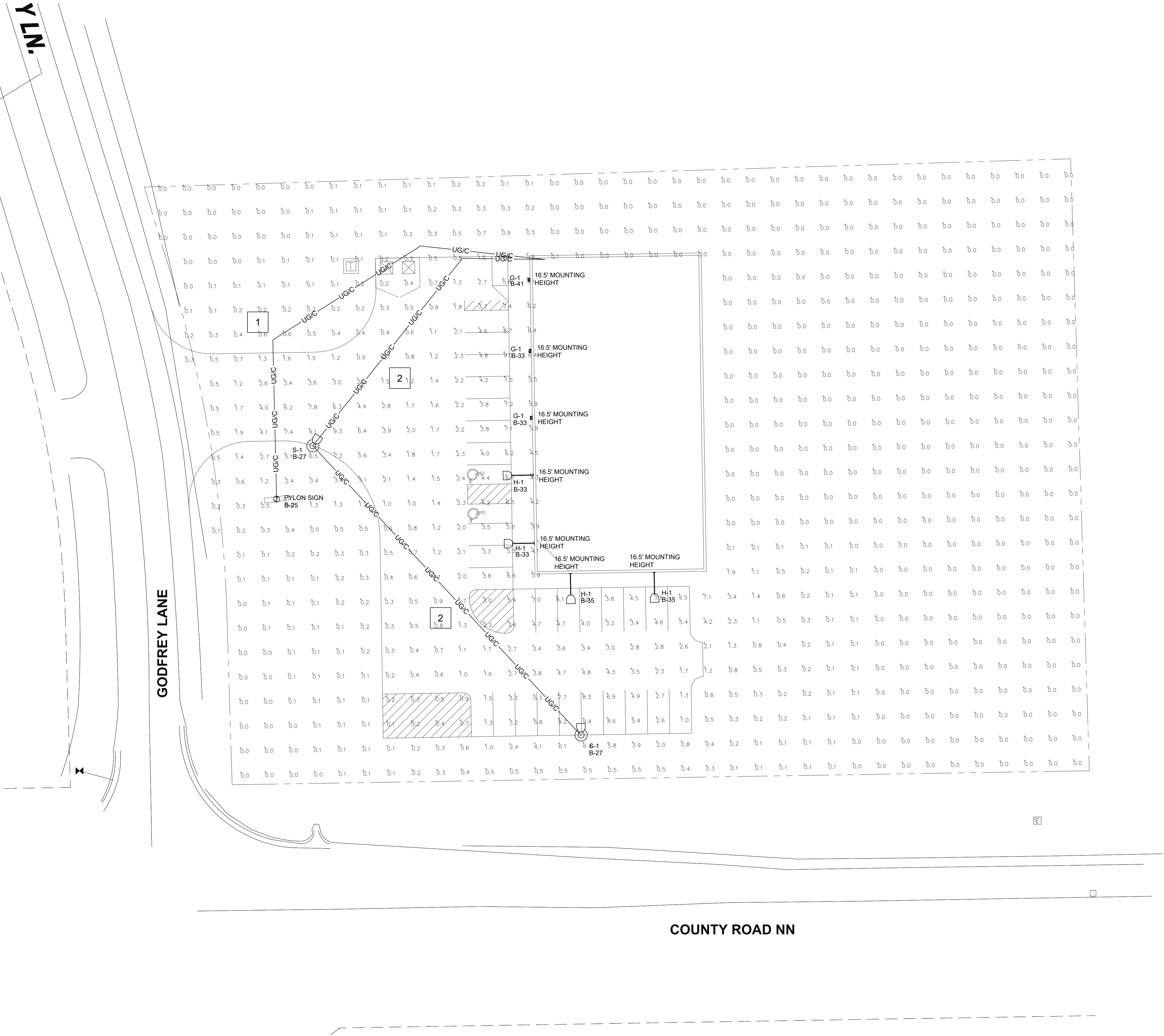


NTS

1. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING MATERIALS AND PLANTS SHOWN ON THE LANDSCAPE PLAN. THE CONTRACTOR IS RESPONSIBLE FOR THE COST TO REPAIR UTILITIES, ADJACENT LANDSCAPE, PUBLIC AND PRIVATE PROPERTY THAT IS DAMAGED BY THE CONTRACTOR OR THEIR SUBCONTRACTOR'S OPERATIONS DURING INSTALLATION OR DURING THE SPECIFIED MAINTENANCE PERIOD. CALL FOR UTILITY LOCATIONS PRIOR TO ANY EXCAVATION.
2. THE CONTRACTOR SHALL REPORT ANY DISCREPANCY IN PLAN VS. FIELD CONDITIONS IMMEDIATELY TO THE LANDSCAPE ARCHITECT, PRIOR TO CONTINUING WITH THAT PORTION OF WORK.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF ANY OF THEIR TRENCHES OR EXCAVATIONS THAT SETTLE.
4. ALL NURSERY STOCK SHALL BE WELL BRANCHED, HEALTHY, FULL, PRE-INOCULATED AND FERTILIZED. DECIDUOUS TREES SHALL BE FREE OF FRESH SCARS. TRUNKS WILL BE WRAPPED IF NECESSARY TO PREVENT SUN SCALD AND INSECT DAMAGE. THE LANDSCAPE CONTRACTOR SHALL REMOVE THE WRAP AT THE PROPER TIME AS A PART OF THIS CONTRACT.
5. ALL NURSERY STOCK SHALL BE GUARANTEED, BY THE CONTRACTOR, FOR ONE YEAR FROM DATE OF FINAL INSPECTION.
6. AMENDED SOIL SHALL BE PROVIDED AND GRADED BY THE GENERAL CONTRACTOR UP TO 6 INCHES BELOW FINISHED GRADE IN TURF AREAS AND 18 INCHES IN PLANTING AREAS.
7. PLANTING AREA SOIL SHALL BE AMENDED WITH 25% SPHAGNUM PEATMOSS, 5% HUMUS AND 65% PULVERIZED SOIL FOR ALL SHRUB, ORNAMENTAL GRASS, PERENNIAL AND ANNUAL BEDS. AMENDED TURF AREA SOIL SHALL BE STANDARD TOPSOIL.
8. SEED/SOD LIMIT LINES ARE APPROXIMATE. CONTRACTOR SHALL SEED/SOD ALL AREAS WHICH ARE DISTURBED BY GRADING WITH THE SPECIFIED SEED/SOD MIXES.
9. CONTRACTOR SHALL INSTALL SHREDDED HARDWOOD MULCH AT A 3" DEPTH TO ALL TREES, SHRUB, PERENNIAL, AND GROUND COVER AREAS. TREES PLACED IN AREA COVERED BY TURF SHALL RECEIVE A 4 FT WIDE MAXIMUM TREE RING WITH 3" DEPTH SHREDDED HARDWOOD MULCH. A SPADED BED EDGE SHALL SEPARATE MULCH BEDS FROM TURF OR SEEDED AREAS. A SPADED EDGE IS NOT REQUIRED ALONG CURBED EDGES.
10. INSTALLATION OF TREES WITHIN PARKWAYS SHALL BE COORDINATED IN THE FIELD WITH LOCATIONS OF UNDERGROUND UTILITIES. TREES SHALL NOT BE LOCATED CLOSER THAN 5' FROM UNDERGROUND UTILITY LINES AND NO CLOSER THAN 10' FROM UTILITY STRUCTURES.
11. DO NOT DISTURB THE EXISTING PAVING, LIGHTING, OR LANDSCAPING THAT EXISTS ADJACENT TO THE SITE UNLESS OTHERWISE NOTED ON PLAN.
12. PLANT QUANTITIES SHOWN ARE FOR THE CONVENIENCE OF THE OWNER AND JURISDICTIONAL REVIEW AGENCIES. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL PLANT QUANTITIES AS DRAWN.
13. THE OWNER'S REPRESENTATIVE MAY REJECT ANY PLANT MATERIALS THAT ARE DISEASED, DEFORMED, OR OTHERWISE NOT EXHIBITING SUPERIOR QUALITY.
14. THE CONTINUED MAINTENANCE OF ALL REQUIRED LANDSCAPING SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY ON WHICH SAID MATERIALS ARE REQUIRED. ALL PLANT MATERIALS REQUIRED BY THIS SECTION SHALL BE MAINTAINED AS LIVING VEGETATION AND SHALL BE PROMPTLY REPLACED IF THE PLANT MATERIAL HAS DIED PRIOR TO FINAL ACCEPTANCE. PLANTING AREAS SHALL BE KEPT FREE OF TRASH, LITTER, AND WEEDS AT ALL TIMES.



<p>DOLLAR GENERAL</p> <p>ORIGINAL ISSUE: 07/29/2020</p> <p>KHA PROJECT NO. 168708007</p> <p>SHEET NUMBER</p>	<p>LANDSCAPE</p> <p>NOTES AND</p> <p>DETAILS</p>	<p>THE OVERLAND</p> <p>GROUP</p>	<p>Kimley»Horn</p> <p>3200 WILSON ROAD AND ASSOCIATES, INC. 500 WILSON ROAD, SUITE 400 WARREN, MI 48090 TEL: 588-4400 WWW.KIMLEY-HORN.COM</p>	SCALE:	
				AS NOTED	
				DESIGNED BY: JPM	
				DRAWN BY: JPM	
				CHECKED BY: JMM	
		<p>1</p> <p>TOWN COMMENTS</p>		08/14/20	JPM
		<p>No.</p> <p>REVISIONS</p>		DATE	BY



SITE UTILITY LEGEND	
— SS —	SANITARY SEWER
— BS —	BUILDING SEWER
— W —	WATER PIPING
— GAS —	GAS PIPING
— UG/E —	UNDERGROUND ELECTRIC
— OH/E —	OVERHEAD ELECTRIC
— UG/C —	UNDERGROUND CONDUIT
— UG/S —	UNDERGROUND SLEEVE
— T —	TELEPHONE

SITE UTILITY LEGEND	
— FO —	FIBER OPTICS
⊖	ELECTRIC METER
⊙	GAS METER
⊖	WATER METER
⊕	FIRE HYDRANT
▲	PAD MOUNT TRANSFORMER
⊙	MANHOLE
●COTG	CLEANOUT TO GRADE

#	KEYNOTES
1	1" CONDUIT TO PYLON SIGN.
2	1" CONDUIT TO POLE LIGHTS.

DISCLAIMER: THE PHOTOMETRIC CALCULATIONS WILL BE CONFIRMED BY THE NATIONAL LIGHTING ACCOUNT VENDOR (NATIONAL LIGHTING ELECTRICAL SERVICE). THE E.C. AND G.C. WILL BE RESPONSIBLE TO CONFIRM THAT NATIONAL LIGHTING ELECTRICAL SERVICE (THE NATIONAL ACCOUNT LIGHTING VENDOR) HAS RUN THEIR PHOTOMETRICS FOR THIS SITE. IT IS ALSO THE RESPONSIBILITY OF THE E.C. AND G.C. TO CONFIRM ALL LIGHT FIXTURE MODEL NUMBERS WITH THE NATIONAL ACCOUNT VENDOR (NATIONAL LIGHTING ELECTRICAL SERVICE).

LED LIGHT HEADS ARE COVERED ON FOUR SIDES PLUS THE BACK WITH LIGHT BEING PROJECTED IN ONE DIRECTION. LIGHT HEADS MOUNTED AND POINTING IN A DOWNWARD DIRECTION ACCOMPLISHES THE GOAL OF WHAT USED TO BE CALLED "FULL CUT-OFF". IN THIS WAY THE PARKING LOT IS LIT AND THERE IS NO BLEED OVER TO THE PROPERTY LINE OR ACROSS PROPERTY LINES.

REVISED BY ADDING
PHOTOMETRICS TO
EXTERIOR SITE.

FIELD VERIFY AND COORDINATE ALL UNDERGROUND UTILITIES WITH STORM WATER DETENTION AND DRAIN PIPING TO AVOID CONFLICT/INTERFERENCE.

THE ENGINEER HAS PROVIDED ONLY MECHANICAL, ELECTRICAL, AND PLUMBING ENGINEERING SERVICES. FLOOR PLANS AND SITE PLANS HAVE BEEN PROVIDED BY THE ARCHITECT FOR MY USE RELATIVE TO MECHANICAL, ELECTRICAL, AND PLUMBING ENGINEERING SERVICES ONLY.

© 2020 THESE DRAWINGS ARE INSTRUMENTS OF THE ENGINEER FOR USE SOLELY WITH RESPECT TO THIS PROJECT. THE ENGINEER SHALL BE DEEMED THE AUTHOR OF THESE DOCUMENTS FOR ANY AND ALL COMMON LAW, STATUTORY & OTHER RESERVED RIGHTS, INCLUDING THE COPYRIGHT. THE ENGINEER'S DRAWINGS SHALL NOT BE USED ON OTHER PROJECTS, FOR ADDITIONS TO THIS PROJECT OR FOR COMPLETION OF THIS PROJECT BY OTHERS, EXCEPT BY AGREEMENT IN WRITING WITH THE ENGINEER.

PATRICK D. CROCKER, P.E.
3211 EAST SHADY GLEN
SPRINGFIELD, MISSOURI 65804
PHONE: (417) 883-4056

DOLLAR GENERAL
TYPE E
GODFREY LANDE & COUNTY ROAD NN
EAGLE, WAUKESHA COUNTY, WISCONSIN



SIGNATURE
07-16-2020 REV
ENGINEER: Patrick D. Crocker
LICENSE #: 46902-6
DATE: 7/15/2020
REVISION: 07/16/2020
REVISION:
REVISION:
REVISION:
REVISION:
REVISION:
JOB #: 2020-113
SHEET #:



Know what's below.
Call before you dig.

E5



**DOLLAR
GENERAL®**

New Build Product Information

Data and Install Guides

PJF1

Linear LED Strip Light



Key Features

- Available in 2 ft., 4 ft., or 8 ft. models with lumen packages up to 9,730L.
- 161,000 hours L70 calculated life.
- Suspended or surface mounted.
- Designed to facilitate easier installations.
- Industry leading 10-Year warranty.

Electrical

- 120VAC input. 277-347 VAC input options also available.
- 0-10V dimming option available.
- Photocell/motion sensor option available.
- Operating temperature: -30°C to +40°C (-22°F to +104°F)

Mounting

- Luminaire is ready to be suspended or surface mounted.

Construction

- Housing is constructed from steel in a standard white finish.
- Lens is frosted acrylic for uniform light distribution that's glare-free.
- End caps are high-impact injection molded PMMA material.

Optics

- Industry leading LEDs in 3500K, 4000K, or 5000K CCT (minimum 80 CRI).
- Color tuning option available.
- Lumen Maintenance >161,000 hours (L70) ¹

Warranty

- Backed by US LED's industry leading 10-year warranty.

Project	Date
---------	------

Catalog Number	Type
----------------	------

Product Performance Summary

Lumen Output	Up to 9,730 lumens
Efficacy	Up to 145 LPW
CRI	≥ 80 CRI
Available CCT	3500K, 4000K, 5000K or Color Tuning (2700K-6500K) ⁴
Warranty	10-Year Warranty

Product Overview

Utilizing patented LED technology, the PJF1 is a low-profile linear solution that offers outstanding value and energy efficiency without compromising illumination. Designed for versatility, the PJF1 provides best-in-class performance for virtually any indoor lighting need. It's Ideal for lighting up manufacturing, commercial, warehouse, retail, or other display applications.

Product Applications

- Educational Facilities
- Convenience Stores
- Office Spaces
- Hallways/Corridors
- Industrial/Warehouse
- Mall/Retail Areas
- Health Care Facilities
- Commercial Spaces

Product Certifications/Approvals

- Complies with UL1598 and CSA 22.2
- DLC Premium Listed
- Suitable for indoor damp Locations
- RoHS Compliant



Ordering Information

Example: PJF1-1-4-1-35-ID-35-D

PJF1																									
Series	Variant	Size		Input Voltage		Power		Driver		CCT		Control		Battery Back-Up											
1	Standard	2	2 ft.	1	120-277V	17	17W	ID	iNFINi 0-10V	35	3500K	D	0-10V Dimming	Blank	No Battery Back-Up										
		4	4 ft.	C	120-347V	25	25W			B 4	Smart Blu™ Blu-Drive					40	4000K	1	LSXR-610-ADC 3						
		8	8 ft.			30	30W									50	5000K								
						35	35W									T	2700K-6500K 4								
						50	50W																		
Power Combinations		Smart Blu™ Combinations				60	60W	<div>Power Cable Ordering Information</div> <table><tr><td>PJF1</td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr></table>								PJF1									
PJF1																									
Size	Available Power	Size	Power	CCT 5																					
2 ft.	17W	2 ft.	17W	3500K, 4000K, 5000K																					
4 ft.	25W, 30W, 35W	4 ft.	25W, 30W, 35W	3500K, 4000K, 5000K		70	70W																		
8 ft.	50W, 60W, 70W	8 ft.	50W, 60W, 70W	3500K, 4000K, 5000K																					

1. US LED product 'Lifetimes' refer only to the LED light engine, not the power source, and are based on the Illuminating Engineering Society's TM21 Projected Lumen Maintenance methodology at a 25° C / 77° F ambient temperature. The lifetimes are solely meant to be a guide for expected LED degradation and not a warranty or predictive of their actual life, which can be affected by ambient temperatures and other factors.

2. Only available with 4 ft. option.

3. Option is a passive infrared sensor.

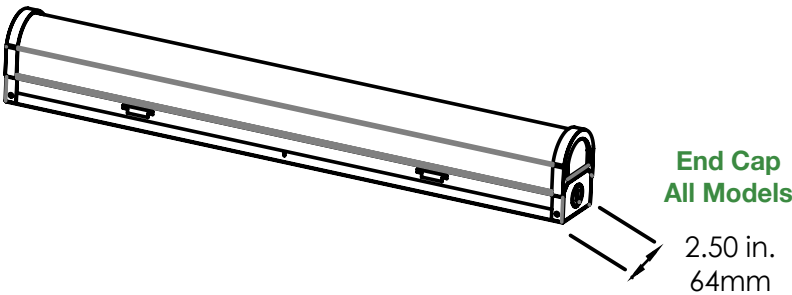
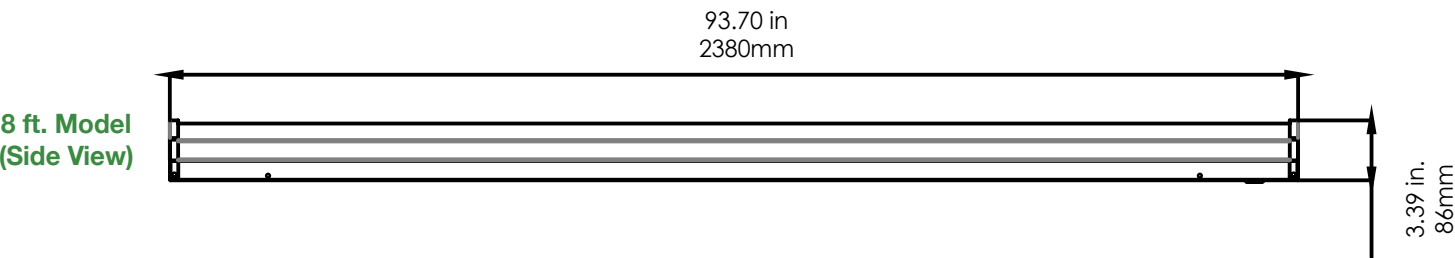
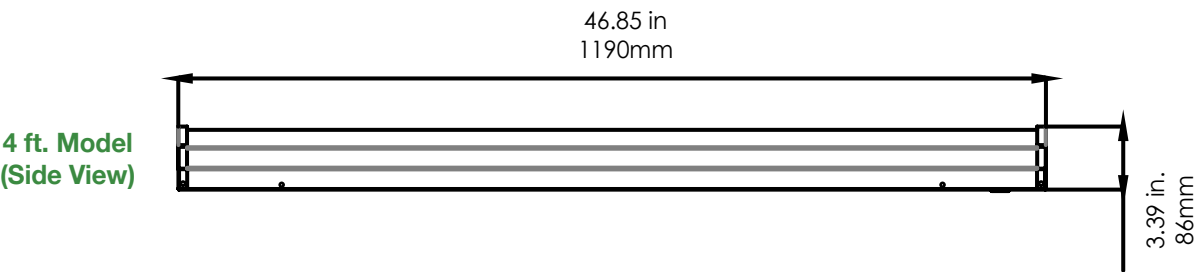
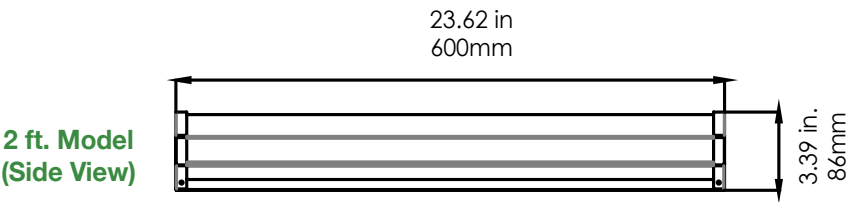
4. Color tuning option only available with Smart Blu™ Blu-Drive Driver.

5. If a specific CCT is ordered with Smart Blu™ Blu-Drive Driver, all lighting control benefits will be available except color tuning [Option T].

PJF1

Linear LED Strip Light

Dimensions



PJF1

Linear LED Strip Light

Accessories

LSXR-610-ADC - Passive Infrared Sensor | High/Low Mount 360° | Dimming/Switching Photocell

Overview

The LSXR Family of fixture mount occupancy sensors provides reliable and versatile solutions for commercial and industrial lighting control applications. All LSXR Family sensors utilize passive infrared (PIR) detection and feature interchangeable lenses, providing flexibility for multiple mounting height and coverage pattern requirements.

Key Features

- Four interchangeable lenses
- 100% digital PIR detection - provides excellent RF immunity
- No PIR field calibration or sensitivity adjustments required
- Powers from single or two-phase line connections
- Photocell and 0-10 VDC dimming options
- Digital push-button programming - no tools or analog adjustments required
- Non-volatile settings memory
- Convenient test mode - quickens initial walk and/or photocell testing
- LampMaximizer® minimum on timer (15 min) enables usage of shorter occupancy time delays while protecting fluorescent lamp life
- Default 10 minute occupancy time delay

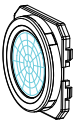


Specifications

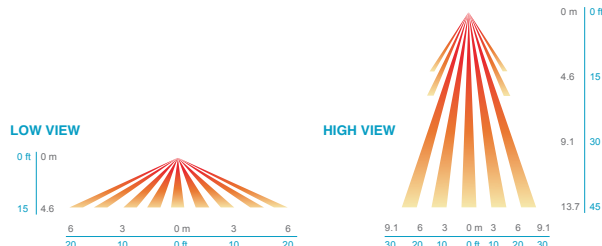
- Size (w/ Mounting Flange): 3.75" H x 2.50" W x 4.00" D (9.5 cm x 6.4 cm x 10.2 cm)
- Weight: 6 oz
- Mounting: 1/2" knockout (7/8" hole) on fixture
- Maximum Load: 800 W @ 120 VAC, 1200 W @ 277 VAC, 1000 W @ 208 VAC, 1200 W @ 240 VAC, 1500 W @ 347 VAC, 2160 W @ 480 VAC
- Motor Load: 1/4 HP
- Dimming Load: Sinks < 20 mA; (~ 40 LED drivers/ballasts @ 0.5 per) 0-10VDC dimmable ballasts or LED drivers only
- Temperature Rating: -20°C to 60°C for models with suffix LT
- -10°C to 60°C for all other models



HIGH MOUNT 360° LENS (#6)

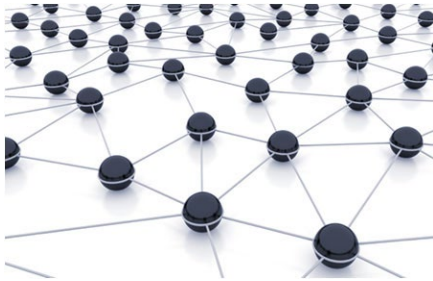


- Best choice for 15 to 45 ft (4.57 to 13.72 m) mounting heights
- 15 to 20 ft (4.57 to 6.10 m) radial coverage overlaps area lit by a typical high bay fixture
- Excellent detection of large motion (e.g. walking) up to a 35 ft (10.76 m) mounting height
- Excellent detection of extra large motion (e.g. forklifts) up to a 45 ft (13.72 m) mounting height
- Tested to NEMA WD 7-2011





*Simple, Affordable, and Effective
Bluetooth Lighting Control*
iOS and Android Compatible APP



SMART BLU™ is a wireless lighting control system that utilizes Bluetooth 4.0 Mesh Network technology to transmit lighting control data from a smartphone to Lights & Switches (**Nodes**). Nodes cooperate in the transmission of data to ensure integrity.

SMART BLU™ enables significant power and maintenance savings for LED lighting through simple automation processes while allowing for individual freedom to adjust as necessary.

Mesh Networks (**Zones**) can range from 1 to 100 Nodes maximum. Buildings may be divided into many different Zones with each having its own distinct encryption and QR Code. For example, a School may have classrooms, corridors, gym and offices divided into Zones. An Office Tower could have each floor divided into open area, perimeter offices, meeting rooms and reception Zones.



Nodes consist of Lights, Switches, & Gateways. Lights may include onboard motion detectors and daylight photo sensors.



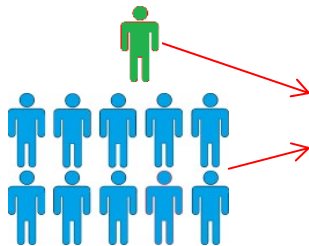
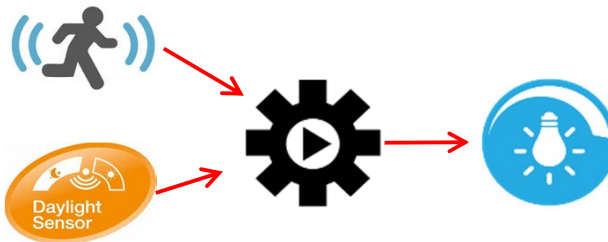
Smart Blu™ Bluetooth Lighting Control (Cont.)



Lights may be offered in one color (mono-dimmable) or in two colors (2-channel dimmable). 2-channel Lights may be color-tuned anywhere from very warm to very cool.

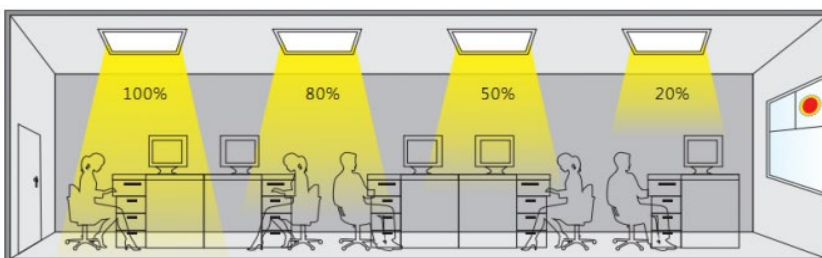
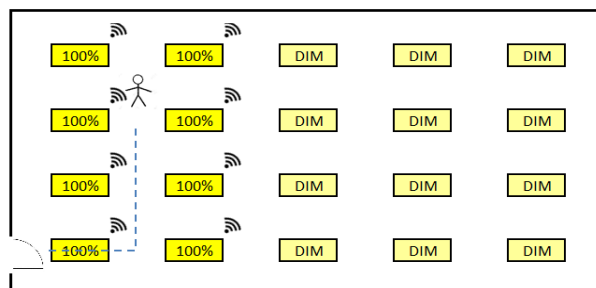


Lights may be supplied without sensors or they may be supplied with motion and/or photo sensors to allow automation of Light level control.



Lights may be controlled individually or in Groups. They can be set to operate automatically via sensors and/or respond to manual switches or smartphones.

Lights may also be linked such that if one Light motion sensor is tripped, all other Lights in the Group respond in unison thus making the whole space appear lit and less foreboding.



Daylight Harvesting is taking advantage of natural light that enters an interior space through windows by

adjusting artificial lighting to save power. **SMART BLU™** can dim Lights closest to windows lower than Lights further away from windows.




Automation Defaults

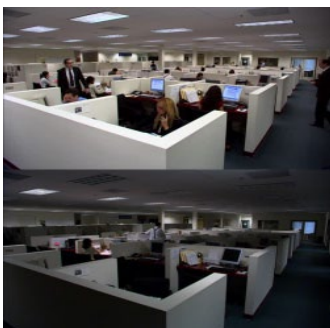


SMART BLU™ incorporates Motion and Photo detectors. Motion detectors sense the presence of people and Photo detectors measure light levels. When enabled, these detectors can automatically make light level adjustments within a space without requiring manual adjustments by the occupants. The idea is to Automatically provide the right amount of light when it is needed and to dim or shut lights Off when it is not. The purpose of making automatic adjustments is to **save on energy and maintenance costs**.

SMART BLU™ allows you to set Automation Defaults (Brightness, and Motion/Photo Detectors) for individual Lights or Groups of Lights. These may be disabled by choosing static Scenes via the APP or from physical Switches.

Automation Defaults may be set in two different sections of the APP; "Lights" and "Groups". ***NOTE: If you set an Automation Default in one section, then alter the settings in another section, the LAST settings you make will be expressed by the system.***

An Automation icon  will appear in the following sections where it applies.



Scenes may be created with Groups and/or Individual Lights by adjusting brightness levels and color temperature (if available). Consider meeting rooms or classrooms when presentations are given and you wish to dim the light to view a smartboard or TV but still wish to provide light on the presenter.

Project	Type
Catalog Number	

QubePAK Regal XL

Wall Pack Luminaire

For exterior wall lighting applications in new construction or retrofit opportunities, US LED reveals the new QubePAK Regal XL. The QubePAK Regal XL family is an economical and scalable wall pack solution to replace existing fluorescent, high-pressure sodium and metal halide technologies. The QubePAK Regal XL is designed specifically for versatility, providing a variety of lumen packages ranging from 3,760 to 8,550 lumens.



Features

- Outdoor downlight wall pack (down facing mount only)
- Integrated dimming photocell offers daylight harvesting with on/off control
- J-box or conduit wiring
- Full cutoff to eliminate forward and upward light
- Easy installation with secure lock hinge design
- Low profile design
- 5-year warranty

Certifications

- UL Listed for US and Canada (E338791)
- DesignLights Consortium Listed
- DesignLights Consortium Listed - Premium (50W Only)



Specifications Average Value for Family Products

Spec Type	Series 30, 40 & 50	Series 80
Dimensions	8" x 7.8" x 3.9"	10.38" x 8.66" x 5.81"
Units/Carton	1	1
Net Weight	5.1 lbs.	8.35 lbs.
Environmental Rating	Wet	Wet

DoradoXLE

Outdoor LED Area/Site Luminaire



Key Features

- Easy installation by one person in the field.
- Full cutoff to eliminate forward/upward light.
- Slip fitter, pole mount, or trunnion mount options available. ³
- Type III or Type V distributions available.
- Flux options available range from 13,000 to 38,000 lumens.
- Industry leading 10-Year warranty.

Electrical

- 120-277V or 277-480V available.
- 0-10V dimming standard.
- 10kV surge protection standard.
- System power factor >90% and THD <20%.
- Photocell/motion sensor options available.
- Operating temperature: -30°C to +40°C (-30°F to +104°F)

Mounting

- Slip fitter, pole mount, or trunnion mounting options available. ³

Construction

- Robust die-cast aluminum protects integral components from harsh environments and optimizes thermal management.
- Housing is protected by a corrosion resistant powder coat finish.
- Standard dark bronze finish. Custom colors available by request.
- IP66 rated enclosure prevents intrusion from environmental elements that could degrade performance.

Optics

- Precision molded optics available in Type III or Type V distributions.
- Industry leading LEDs with 3000K, 4000K, and 5000K CCT (minimum 70 CRI).
- Lumen Maintenance >152,000 hours (L70) ¹

Warranty

- Backed by US LED's industry leading 10-year warranty.

Project	Date
---------	------

Catalog Number	Type
----------------	------

Product Performance Summary

Lumen Output	Up to 38,000 lumens
Efficacy	Up to 136 LPW
CRI	≥ 70 CRI
Available CCT	3000K, 4000K & 5000K
Warranty	10-Year Warranty

Product Overview

For exterior pole and area lighting applications in new construction or retrofit opportunities, US LED brings the DoradoXLE. The DoradoXLE offers an array of options to accommodate any pole or area lighting requirement, including an assortment of light distributions, mounting methods and luminaire finishes. The DoradoXLE is designed to be oriented either vertical or horizontal, thus increasing its adaptability and functionality on any project.

Product Applications

- Auto Dealerships
- Parking Lots
- Educational Facilities
- Business Campuses
- Recreational Areas
- Mall/Retail Areas
- Commercial Exteriors
- Industrial Facilities
- Security Areas
- Site Pathway Areas

Product Certifications/Approvals

- ETL Listed for US & Canada.
- Complies with UL1598 and CSA C22.2.
- DLC Premium Listed.
- Suitable for Wet Locations.
- IP66 Rated Enclosure.
- RoHS Compliant.



Ordering Information

QDXLE1							Z5
Series	Model	CCT	Input Voltage	Finish	Optics	Sensor	Product Code
100	100W	30	3000K UNVL	120-277V	1 Bronze ²	3 Type 3	N No Sensor
120	120W	40	4000K UNVH	277-480V	2 White ²	5 Type 5	D1 Photocell
150	150W	50	5000K				
200	200W						
250	250W						
300	300W						

Example: QDXLE1-100-50-UNVL-1-3-N-Z5

Mounting Ordering Information

Series ³	Finish	
DYS1	Slip fitter Mount for 2 3/8" Round Tenon	1 Bronze ² 2 White ²
DYF1	Arm Mount - Flat	
DYRA ⁴	Round Pole Adapter for 4" Pole	
DYT1	Trunnion Mount	

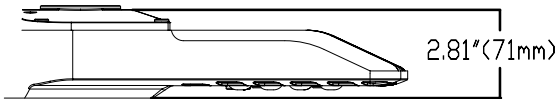
1. US LED product 'Lifetimes' refer only to the LED light engine, not the power source, and are based on the Illuminating Engineering Society's TM21 Projected Lumen Maintenance methodology at a 25° C / 77° F ambient temperature. The lifetimes are solely meant to be a guide for expected LED degradation and not a warranty or predictive of their actual life, which can be affected by ambient temperatures and other factors.
2. Custom colors available upon request.
3. Mounting included in the luminaire pricing.
4. DYRA option must be purchased with DYF1 option.

DoradoXLE

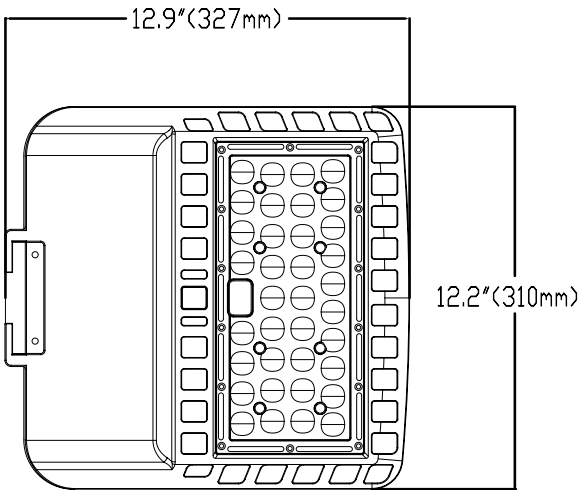
Outdoor LED Area/Site Luminaire

Dimensions

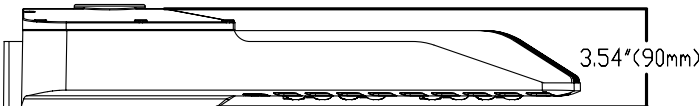
Models 100W-120W-150W (Side View)



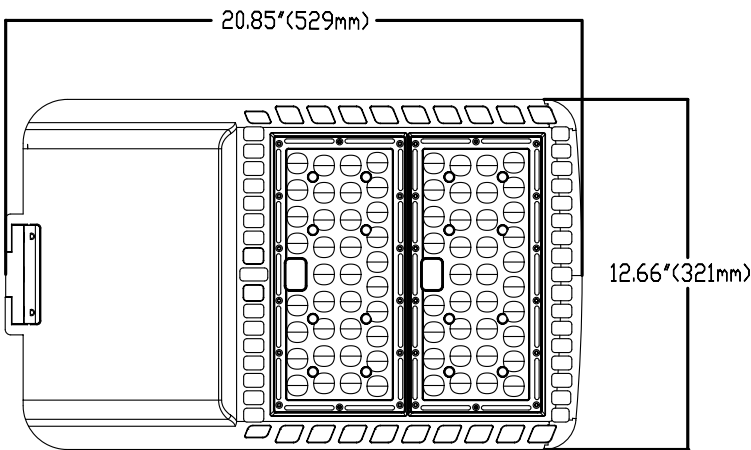
Models 100W-120W-150W (Bottom View)



Models 200W-250W-300W (Side View)



Models 200W-250W-300W (Bottom View)

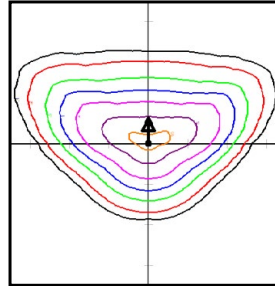


Model	Net Weight
100W/120W/150W	10.5 lbs. (4.8kg)
200W/250W/300W	13 lbs. (5.9kg)

Optical Distributions

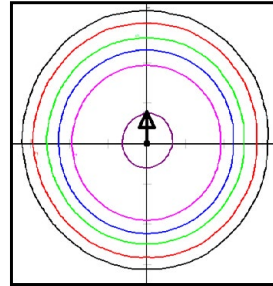
All photometric testing performed to IESNA LM-79 standards by a NVLAP® accredited testing facility. ISO footcandle plots below demonstrate the distribution patterns only based on 25' mounting height. Visit www.usled.com for complete specifications and IES files.

Type III Distribution



Type III distribution projects light more forward and equally on both sides in an asymmetric pattern. Most commonly used in parking areas, wider roadways, and other areas where a larger area of lighting is required.

Type V Distribution



Type V distribution forms the symmetrical round pattern that allows the light to have the same intensity at all angles. Primarily used in parking lot interiors, crossroads, and roadway centers.

Performance Data

Model	CCT	System Level Power	Delivered Lumens	Efficacy	L70 Calculate Life	L85 Calculate Life
100W	3000K	96W	12,900L	135 LPW	142,000 Hours	65,000 Hours
	4000K	96W	12,970L	135 LPW	142,000 Hours	65,000 Hours
	5000K	96W	13,090L	136 LPW	142,000 Hours	65,000 Hours
120W	3000K	114W	14,700L	129 LPW	142,000 Hours	65,000 Hours
	4000K	114W	14,760L	130 LPW	142,000 Hours	65,000 Hours
	5000K	114W	15,100L	132 LPW	142,000 Hours	65,000 Hours
150W	3000K	138W	17,850L	129 LPW	142,000 Hours	65,000 Hours
	4000K	138W	17,980L	130 LPW	142,000 Hours	65,000 Hours
	5000K	138W	18,140L	131 LPW	142,000 Hours	65,000 Hours
200W	3000K	194W	26,020L	134 LPW	152,000 Hours	70,000 Hours
	4000K	194W	26,140L	135 LPW	152,000 Hours	70,000 Hours
	5000K	194W	26,370L	136 LPW	152,000 Hours	70,000 Hours
250W	3000K	231W	30,170L	131 LPW	142,000 Hours	65,000 Hours
	4000K	231W	30,310L	131 LPW	142,000 Hours	65,000 Hours
	5000K	231W	30,580L	132 LPW	142,000 Hours	65,000 Hours
300W	3000K	286W	37,120L	130 LPW	128,000 Hours	58,000 Hours
	4000K	286W	37,400L	131 LPW	128,000 Hours	58,000 Hours
	5000K	286W	37,980L	133 LPW	128,000 Hours	58,000 Hours

DoradoXLE

Outdoor LED Area/Site Luminaire

Accessories

DLL127-1.5-JU⁴ - 120-277V Electronic Locking Type Photocontrol

DLL347-1.5-JU⁴ - 347V Electronic Locking Type Photocontrol

DLL480-1.5-JU⁴ - 480V Electronic Locking Type Photocontrol

Overview

With a design life of 20+ years and superior in-rush current and surge-protection features, the DLL supports extended life and low maintenance benefits associated with outdoor LED fixtures.

Key Features

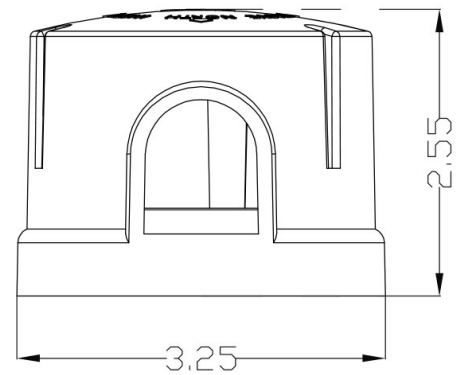
- Dusk to dawn lighting control.
- Designed to last 20+ years.
- LED inrush protection with TRIAC assisted relay.
- Double thick enclosure and lens with additional UV inhibitor.
- High temperature base plastic tested to 140°C.



Specifications

- ANSI C136.10
- RoHS compliant.
- UL listed to U.S. and Canadian safety standards.
- Surge rated in excess of ANSI C136.10 to 20kV/10kA.
- Operating Levels: Turn-on at 1.5 FC and turn-off at 2.25 FC (On:Off ration of 1:1.5).
- Operating temperature: -40°C to +70°C (-40°F to +158°F).
- Average power consumption: <0.5W @ 120V

Standard



⁴. Must be installed with photocell receptacle 2223.



The installation must only be performed by a licensed electrician.

To prevent death, injury or damage to property, this product must be installed in accordance to National Electrical Code (NFPA70) in the US or Canadian Electrical Code (CSA22.1) in Canada.

Disconnect power before installing the product or servicing it.

Wait until fixture has cooled down before installing or servicing the fixture.

Water in the fixture voids warranty.

MIN. 90°C SUPPLY CONDUCTORS

Read and follow installation instructions. Improper installation will void warranty.

- 1 Turn off power to the light pole at circuit breaker. ASSEMBLY PROCESS
- 2 Unbox the QDXLE1 from the packaging.
- 3 Determine the type of mount, Arm Mount, Slip Fitter, or Trunnion.



LED Thermoplastic Exit Combo

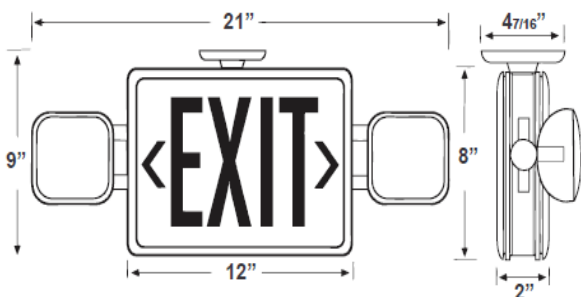


Combining LED exit illumination with reliable LED lamp heads, this attractive low-profile design offers maintenance-free, long life dependable service. Easily mounts above doors and in restricted spaces to fit any application.

FEATURES

- Easy to install, snap together design
- Suitable for damp location
- Rugged, injection-molded UL94 V-0 flame retardant, high-temperature thermoplastic housing
- Universal style – includes 2 face plates, a back plate and mounting canopy
- LED combo exit where each of the lamp heads contain 12 long lasting, efficient, ultra-bright white LEDs
- Charge rate/power "ON" LED indicator light with test button
- Low voltage disconnect eliminates deep discharge
- Brown-out, short circuit and voltage surge protection
- UL recognized maintenance-free NiCad battery
- Universal J-Box mounting system – Ceiling, wall or end mount
- UL listed 90 minute emergency run time, 24 hour recharge time
- Constant, uniform illumination by long-life, high intensity, red or green LEDs
- Overcharge protection
- Fully-illuminated 6" characters with 3/4" stroke
- Optional Self Test/Self Diagnostics (SDT) available
- Remote capable- up to 2 CLED remote heads
- Chevron-style, universal arrow knockouts
- 120/277V dual primary, 60Hz input
- Standard finishes: Black and white

DIMENSIONS



WARRANTY

Any component that fails due to manufacturers defect is guaranteed for 3 years with a separate 5 year pro-rated warranty on the battery. The warranty does not cover physical damage, abuse or acts of God. Manufacturer reserves the right to charge for such repairs if deemed necessary.

ORDERING INFORMATION

Series	Style	Finish	Type	Options
04-CRW2-LED	2 = UNIVERSAL	W = WHITE	LED Lamps	SDT = SELF TEST / DIAGNOSTICS
04-CGW2-LED		B = BLACK		RC = REMOTE CAPABILITY



HOUSING

- Injection-molded, engineering grade, 5VA flame retardant, high-impact resistant, thermoplastic in white or black finish.

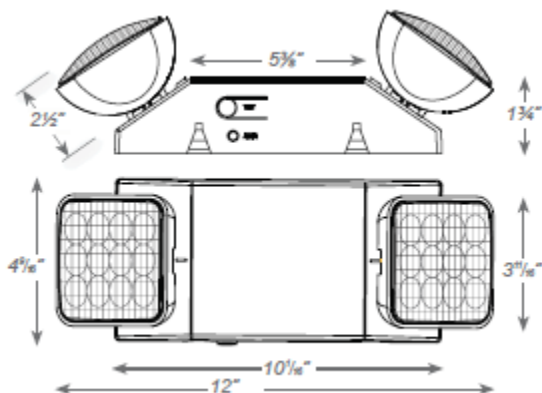
OPTIONS

- SDT: Self-diagnostic feature performs monthly, biannual, and annual tests to ensure reliable operation and meet electrical and life safety codes.
- HL: 12-LEDs per head provide increased center-to-center spacing.
- SPV: UL Listed for special voltage option.

WARRANTY / LISTING

- Five year warranty on all electronics and housing. Battery pro rated for five years.
- Meets UL924, NFPA 101 Life Safety Code, NEC, OSHA, Local and State Codes.
- UL Listed for damp locations (0°C – 50°C).

DIMENSIONS



ILLUMINATION

- Long lasting, efficient, ultra bright white LED lamp heads.
- 1W (8 LEDs x 0.125) per head.
- High performance chrome-plated metallized reflector and plastic lens for optimal light distribution.
- Adjustable LED lamp heads provides optimal center-to-center spacing. High-lumen option available for increased center-to-center spacing.

ELECTRICAL

- Dual 120/277 voltage standard. Optional multi-tap 208/220/240 voltage available.
- Remote capacity standard.
- Charge rate/power "ON" LED indicator light and push-to-test switch for mandated code compliance testing.
- 3.6V long life, maintenance-free, rechargeable NiCd battery.
- Internal solid-state transfer switch automatically connects the internal battery to LED lamp heads for minimum 90-minute emergency illumination.
- Fully automatic solid-state, two rate charger initiates battery charging to recharge a discharged battery in 24 hours.

MOUNTING

- Surface mount via easy connect back plate, which fits most standard junction boxes and snaps into place making internal electrical connections.
- Top and side knockout for conduit applications.
- Suitable for wall or ceiling mount.

ORDERING INFORMATION

MODEL	HOUSING COLOR	OPTIONS
04-EL1-LED	White	SDT Self-Diagnostics
	B Black	HL High-Lumen
		SPV 208/220/240 volt, 50/60 Hz ¹



Always the Right Choice!

LED Remote Heads

**Indoor/ Outdoor
Weatherproof**

INDOOR



04-RHRLED

OUTDOOR WEATHERPROOF



INDOOR



OUTDOOR WEATHERPROOF



~ All voltages are available for INDOOR and OUTDOOR applications
~ 3.6 Volt (1 Watt) for Emergency Lights - Call for pricing
~ 9.6 Volt (1 Watt) for Exit Emergency Combos - Call for pricing
~ SDT available - Call for pricing

ILLUMINATION

- Long lasting, efficient ultra-bright white LED lamp heads.
- High-performance chrome-plated metalized reflector and plastic lens (indoor applications) or glass lens (outdoor applications) for optimal light distribution.
- Adjustable LED lamp heads increases center-to-center spacing with 8 LEDs in each lamp head.

ELECTRICAL

- Powered from low voltage power source with low voltage wiring (not provided).

MOUNTING

- Universal mounting base mounts to single-gang switch box.
- Distance of maximum run is determined by system voltage, wire gauge and total maximum wattage on the run.
- Suitable for wall or ceiling mount.

HOUSING

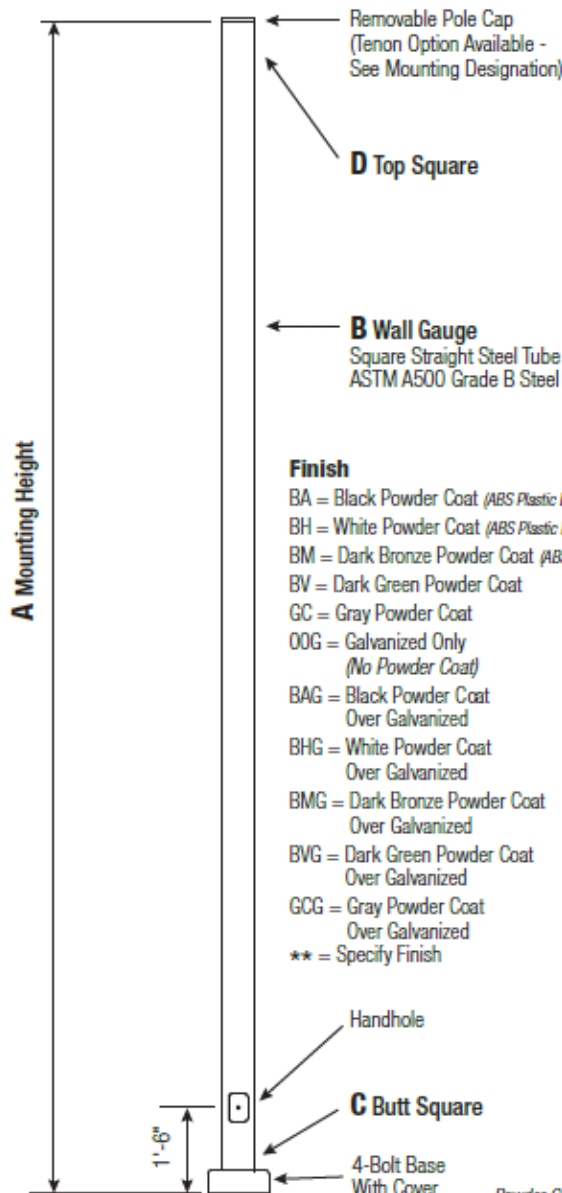
- Indoor application remote heads are injection-molded, engineering-grade, 5VA flame retardant, high-impact resistant, thermoplastic in white or black finish.
- Outdoor application remote heads are die-cast aluminum, Sealed and gasketed in gray or black finish.

WARRANTY/LISTING

- Five year warranty on electronics and housing.
- UL listed with approved Best Lighting Products.
- Meets UL924, NFPA 101 Life Safety Code, NEC, OSHA, Local and State Codes.

SSS

Square Straight Steel Pole No Arm — 4-Bolt Base



A MTC. HGT.	B WALL GAUGE	C BUTT SQUARE	TOTAL LUM. WEIGHT	90	100	110	120	130	140	CATALOG NUMBER
20	11	4	85	10.0	7.2	6.4	4.7	3.3	2.2	SSS20B4-4**

C BUTT SQ.	D TOP SQ.	F BOLT CIR. DIA.	G BASE SQ.	H BOLT PROJ.	I BOLT SIZE
4	4	8 - 9	8	3.75	.75 x 17 x 3

Dimensions in Inches

CUSTOMER NAME:	
PROJECT:	LOCATION:
NOTES:	QUANTITY:

SSS20B4-4

CATALOG NUMBER

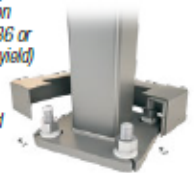
FINISH

Pole

Pole shaft shall be weldable-grade, cold-rolled, 11 gauge commercial quality carbon steel tubing conforming to ASTM A500 Grade B. All welds shall conform to AWS D1.2 using ER70S-6 electrodes.

Base Style

4-Bolt Steel Plate Base Flange of fabricated hot rolled carbon steel conforming to ASTM A36 or equivalent (36 ksi minimum yield) with 2-piece Base Cover and attaching hardware. Base Cover will be fabricated from ABS plastic or metal materials.

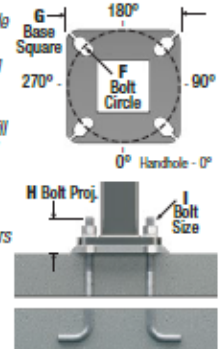


Handhole

Reinforced, 3" x 5" Handhole with Cover, Stainless Steel Screw and Backbar. A Grounding Provision incorporating a tapped 1/2" - 13NC hole will be welded to the handhole frame.

Anchorage

Anchorage Kit will include four (4) L-shaped Steel Anchor Bolts conforming to AASHTO M314-90 Grade 55. Ten inches (10") of threaded end will be galvanized per ASTM A153. Kits will contain eight (8) Hex Nuts, four (4) Lock Washers, and eight (8) Flat Washers (all components Galvanized Steel). A bolt circle template will be provided.

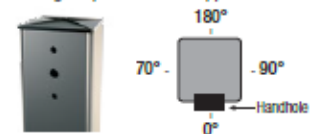


Vibration Damper

If determined necessary by Hapco, a top-mount, field installed First Mode Vibration Damper will be provided. Customer specification of the damper is available.

Mounting Designation

Side Drill Mount - For Side Drill Mount applications specify luminaire type, quantity and orientation. A luminaire drilling template must be supplied at time of order.



Tenon Mount - For Tenon Mount applications specify both Tenon diameter (2.375", 2.875", 3.5", 4", etc.) and length (3", 4", 5", 6", etc.).



EPA Notes:

Effective Projected Area (EPA) in square feet. EPA's calculated using wind velocity (mph) indicated in accordance with 2009 AASHTO LTS-5 using a 25 year design life. Maximum EPA is based on the luminaire weight shown. Increased luminaire weight may reduce the maximum EPA. If weight is exceeded, or if other design life or code is required, please consult the factory.

USLED
Always the Right Choice!