

ARCHITECTURAL REVIEW BOARD MUNICIPAL PLANNING COMMISSION -AGENDA-Thursday, November 9, 2023 at 7:00 P.M.

Louis J.R. Goorey Worthington Municipal Building The John P. Coleman Council Chamber 6550 North High Street Worthington, Ohio 43085 Watch online at worthington.org/live, and comment in person or at worthington.org/meeting-public-input

A. Call to Order - 7:00 pm

- 1. Roll Call
- 2. Pledge of Allegiance
- 3. Approval of minutes of the October 26, 2023 meeting
- 4. Affirmation/swearing in of witnesses.

B. Architectural Review Board – Consent Agenda

There will be no separate discussion of Consent Agenda items as they are considered to be routine by the Board and Commission and will be adopted by one motion. If a member of the Board & Commission, staff, or public requests discussion on a particular item, that item will be removed from the Consent Agenda and considered separately on the agenda. Approval of Consent Agenda items includes conditions as listed in the staff memo.

- 1. Mini-split 594 Hartford St. (Custom Air) ARB 85-2023
- 2. Fencing 825 High St. (Jeremy M. Thiel, DDS) ARB 86-2023
- Replacement Deck 129 W. North St. (Cap City Decks and Patios/Seciliano) ARB 87-2023
- Lighting and Window Modifications, Hot Tub 541 Oxford St. (RAS Construction/ Pasternack) ARB 89-2023

C. Architectural Review Board – New Business

1. Signage – 41 W. New England Ave. (Stephen Poteet) ARB 90-2023

D. Municipal Planning Commission

1. Conditional Use Permit

a. Sale/Storage of Building Materials in the I-2 Zoning District – 6325 Huntley Rd. (Jeffrey Hart/Quikrete) CU 04-2023

2. Subdivision – Preliminary Plat

a. Division into 2 Lots – 6325 Huntley Rd. (Tom Kibbey/Hyperion/Quikrete) SUB 04-2023

E. Other

F. Adjournment



MEMORANDUM

- TO: Members of the Architectural Review Board Members of the Municipal Planning Commission
- FROM: Lynda Bitar, Planning Coordinator

DATE: November 3, 2023

SUBJECT: Staff Memo for the Meeting of November 9, 2023

Architectural Review Board – Consent Agenda

There will be no separate discussion of Consent Agenda items as they are considered to be routine by the Board and Commission and will be adopted by one motion. If a member of the Board & Commission, staff, or public requests discussion on a particular item, that item will be removed from the Consent Agenda and considered separately on the agenda. Approval of Consent Agenda items includes conditions as listed in the staff memo.

1. Mini-split - 594 Hartford St. (Custom Air) ARB 85-2023

Findings of Fact & Conclusions

Background & Request:

The house on this 100' wide x 253' deep property was constructed in the early 1900's. In 2007, aluminum siding was removed and the original clapboard siding was restored. Also, a front porch was added which was similar to the front porch originally constructed with the house and removed in the early 1970's. In 2012 the windows were replaced with simulated divided light vinyl clad wood windows. An addition and garage were approved for this Dutch colonial house in 2014, as was the removal of the barn. Construction of a carriage house/new barn was also approved. The front porch was replaced in 2020.

This application would allow installation of a ductless split system on the rear of the garage.

Project Details:

- 1. The wall mounted heat pump system is planned for the east side of the garage and would cool and heat the garage.
- 2. The outdoor unit would be 21 11/16" x 26 ¹/₂" x 11 3/16".

Land Use Plans:

Worthington Design Guidelines and Architectural District Ordinance Mechanical equipment should be screened from view from the right-of-way.

Code Section 1173.10 Location of Building Service Equipment.

(a) Any building service equipment, including air-conditioning or refrigeration system which includes an exterior compressor, cooling tower, condensing unit, chiller unit, absorber, or emergency generator, either singularly or in any combination of the above, or any other exterior device which expels heat and/or noise detectable from outside the premises on which such system is located shall be installed and maintained with such exterior unit located to the rear of the dwelling unit.

Recommendation:

Staff is recommending *approval* of this application, as the unit would be installed to the rear of garage on this deep lot.

Motion:

THAT THE REQUEST BY CUSTOM AIR FOR A CERTIFICATE OF APPROPRIATENESS TO INSTALL A MINI-SPLIT AT 594 HARTFORD ST., AS PER CASE NO. ARB 85-2023, DRAWINGS NO. ARB 85-2023, DATED FEBRUARY 4, 2023, BE APPROVED BASED ON THE FINDINGS OF FACT AND CONCLUSIONS IN THE STAFF MEMO AND PRESENTED AT THE MEETING.

2. Fencing – 825 High St. (Jeremy Thiel) ARB 86-2023

Findings of Fact & Conclusions

Background & Request:

This commercial property is 134.2' wide and 153' deep with a narrow alley to the rear that provides access for the commercial properties to the north. The one-story office building was constructed in 1996. To the west of the alley is a single-family house.

The applicant is planning to install new fencing to screen the dumpster and HVAC equipment.

Project Details:

- 1. There is existing fencing that has deteriorated and is slightly different in layout.
- 2. The new fence style would be solid with dog-eared pickets. The supporting rails would be on the inside of the fencing.
- 3. The fencing around the dumpsters would be 7' x 14' and 4' high with a gate on the south side.
- 4. Around the equipment, 3' high fencing would run 5' from the building and be 21' wide. A gate is proposed toward the north end.

Land Use Plans:

Worthington Design Guidelines and Architectural District Ordinance Mechanical equipment and dumpsters should be screened from view.

ARB-MPC Staff Memo Meeting November 9, 2023 Page 2 of 10

Recommendations:

Staff is recommending *approval* of the application. The proposed fencing is appropriate to screen the dumpsters and mechanicals.

Motion:

THAT THE REQUEST BY JEREMY THIEL FOR A CERTIFICATE OF APPROPRIATENESS TO REPLACE FENCING AT 825 HIGH ST. AS PER CASE NO. ARB 86-2023, DRAWINGS NO. ARB 86-2023, DATED OCTOBER 17, 2023, BE APPROVED BASED ON THE FINDINGS OF FACT AND CONCLUSIONS IN THE STAFF MEMO AND PRESENTED AT THE MEETING.

3. Replacement Deck – 129 W. North St. (Cap City Decks and Patios/Seciliano) ARB 87-2023

Findings of Fact & Conclusions

Background & Request:

This property is on the south side of West North Street, the second house east of Evening St. The lot is 50' wide x 159' deep and has a 1940's English Cottage style house and a detached garage with a rear storage area, both of which are contributing buildings in the Worthington Historic District.

The applicant is requesting approval to install a new deck to the rear.

Project Details:

- 1. The existing decking and steps at the rear door would be removed.
- 2. The new decking is proposed with an upper 8' x 5' area that would step down to a 13' x 7' ground platform with a bench at the west end.
- 3. Materials include: Timbertech decking and bench with privacy back in Brown Oak; and a cable rail across one side of the steps.

Land Use Plans:

Worthington Design Guidelines and Architectural District Ordinance

Decks and patios should be limited to the rear of buildings. Decks should be built of wood and kept low to the ground. Finishes should be either paint or an opaque stain to match the color of the building or its trim. Patios may be constructed of concrete, stone or brick. Consider the style of the house when designing decks and patios, since some styles and some designs are not compatible.

Recommendations:

Staff is recommending *approval* of the application. The proposed decking is appropriate for this property.

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Motion:

THAT THE REQUEST BY CAP CITY DECKS & PATIOS ON BEHALF OF DEBORAH SICILIANO FOR A CERTIFICATE OF APPROPRIATENESS TO REPLACE THE REAR DECKING AT 129 W. NORTH ST. AS PER CASE NO. ARB 87-2023, DRAWINGS NO. ARB 27-2023, DATED OCTOBER 25, 2023, BE APPROVED BASED ON THE FINDINGS OF FACT AND CONCLUSIONS IN THE STAFF MEMO AND PRESENTED AT THE MEETING.

 Lighting and Window Modifications, Hot Tub – 541 Oxford St. (RAS Construction/ Pasternack) ARB 89-2023

Findings of Fact & Conclusions

Background & Request:

This Cottage style house was built in 1921 and is a contributing property in the Worthington Historic District. The property is at the northwest corner of Oxford and South Streets on a 45' wide x 150' deep lot. The house was purchased and renovated in 2019 and transferred to the current owners in 2020. In 2021, approval was given to construct a two-story addition at the rear of the house, but the project was not executed.

Earlier this year, approval was given for a one-story addition with a balcony for the second floor. This application is a request for revisions to that project.

Project Details:

- 1. Two coach lights are proposed at the sliding door on the second floor. The fixtures would match the others approved for the addition.
- 2. A hot tub is planned for the second-floor deck and would be partially screened with the deck railing and 33" tall planter boxes with shrubs.
- 3. The basement windows on the west side are now planned to be egress windows.

Land Use Plans:

Worthington Design Guidelines and Architectural District Ordinance

Compatibility of design and materials, exterior detail and relationships, and window treatment are standards of review in the Architectural District ordinance.

Recommendations:

Staff is recommending *approval* of this application. The changes are appropriate for this project.

Motion:

THAT THE REQUEST BY RAS CONSTRUCTION ON BEHALF OF MATTHEW AND MOLLY PASTERNACK FOR A CERTIFICATE OF APPROPRIATENESS TO MODIFY THE PREVIOUSLY APPROVED ADDITION AT 541 OXFORD ST. AS PER CASE NO. ARB 89-2023, DRAWINGS NO. ARB 89-2023, DATED OCTOBER 26, 2023, BE

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APPROVED BASED ON THE FINDINGS OF FACT AND CONCLUSIONS IN THE STAFF MEMO AND PRESENTED AT THE MEETING.

B. Architectural Review Board – New Business

1. Signage – 41 W. New England Ave. (Stephen Poteet) ARB 90-2023

Findings of Fact & Conclusions

Background & Request:

The Snow House was built in 1814 by John Snow, who was an influential leader of the Masonic Lodge and held early lodge meetings at the house. The Federal style brick house features a symmetrical five-bay façade, and is listed on the National Register of Historic Places. An addition was later constructed to the rear. The Snow House was used as a residence until approximately 1930; was an annex to the Worthington Inn; and housed an expansion of Igloo Letter Press. The commercial structure was constructed around 1920, likely as a garage/carriage house/utility shed and was converted for commercial use. There is also a shed on the site in the southwest corner.

A new business is locating in the main building and would like signage.

Project Details:

- 1. A projection sign and wall sign are proposed to the east of the main entrance door.
- 2. The projection sign would be 2" thick HDU, rectangular with black scalloped edges and 2'10" wide and 1'8 1/2" high. The white logo and text would be raised from the green (PMS#5635) background. The sign would hang from a black steel decorative bracket with the bottom being 7'6" above the adjacent sidewalk.
- 3. The wall sign would be oval shaped 2' wide and 1'2" high aluminum with a painted vinyl overlay. The background is proposed as the same medium, light green as the projection sign, the edge would be black, and the logo and text white. The sign would be mounted with the bottom 4'6" from the sidewalk.
- 4. Vinyl decals with the logo and business name are proposed for the existing two directional signs. The signs are 12" wide x 18" high and would be mounted with the tops 3' above the grade to meet the Code. The signs would be used to reserve two spaces along the east side of the parking lot.

Land Use Plans:

Worthington Design Guidelines and Architectural District Ordinance

The Worthington Design Guidelines and Architectural District Ordinance recommend signs be efficient and compatible with the age and architecture of the building. Use of traditional sign materials such as painted wood, or material that looks like painted wood, is the most appropriate material for projecting and wall signs.

Recommendation:

Staff is recommending *approval* of this application as the proposed signs are appropriate.

ARB-MPC Staff Memo Meeting November 9, 2023 Page 5 of 10 Motion:

THAT THE REQUEST BY STEPHEN POTEET FOR A CERTIFICATE OF APPROPRIATENESS TO INSTALL SIGNS AT 41 W. NEW ENGLAND AVE., AS PER CASE NO. ARB 90-2023, DRAWINGS NO. ARB 90-2023, DATED OCTOBER 27, 2023, BE APPROVED BASED ON THE FINDINGS OF FACT AND CONCLUSIONS IN THE STAFF MEMO AND PRESENTED AT THE MEETING.

C. Municipal Planning Commission

1. Conditional Use Permit

a. Sale/Storage of Building Materials in the I-2 Zoning District – 6325 Huntley Rd. (Jeffrey Hart/Quikrete) CU 04-2022

&

2. Subdivision – Preliminary Plat

a. Division into 2 Lots – 6325 Huntley Rd. (Tom Kibbey/Hyperion/Quikrete) SUB 04-2022

Findings of Fact & Conclusions

Background & Request:

Hyperion is requesting approval to split off 8.396 acres from the southern part of its 48.596 acre parcel, planning to sell the lot to Quikrete. Quikrete owns property to the south that fronts on Huntley Rd. and is comprised of 4 parcels that total 3.616 acres. West of Quikrete is Huntley Bowl Park, which is owned by the City and used not only as a park but also as part of the stormwater management for Rush Run as a retention basin. The City allows Quikrete to use the park drive for access.

Quikrete plans initially to use the new parcel for storage, packaging and shipping of its product which is pre-blended, packaged concrete. An agreement was reached with Hyperion that would not allow manufacturing on the 8.396 acre lot for five years. Should Quikrete choose to have manufacturing on that new lot in the future a new Conditional Use Permit would be needed. In the meantime, the manufacturing process would continue to take place on the existing property to the south.

Project Details:

- 1. Site
 - Access to the 8.396 acre site is proposed through a connection between the two properties. A bridge would be needed to cross Rush Run.
 - Curb cuts to the existing Quikrete property from Huntley Rd. and the Huntley Bowl Park Dr. would be used.
 - The access road to Hyperion could not be used by Quikrete per the purchase agreement.

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- The new lot would have a 39,600 square foot building with a 2282 square foot office attached to the east side and parking in front of the building.
- The drive and bridge would provide access to the parking, along the south side of the building where there would be loading docks, and would lead west to a fenced in storage area. An additional drive to the north would connect the fenced in area to the west side of the building.
- A landscape plan showing 84 Emerald Green Arbor Vitae across the front of the property is included.

2. Utilities

- Stormwater is intended to drain to the south as it does now. A detention basin is proposed in the area between the building and rear storage area.
- Water and sewer are available from Huntley Rd.

3. Building

- The proposed warehouse building is 180' wide x 220' deep.
- The attached office in the front would be 116' wide and 20' deep.
- Warehouse building height is shown as 26' to the eaves and 33'7" to the low sloping gable peak.
- The building appears to be all metal details are needed.
- Wall packs would provide lighting at the entrances.

4. Lighting

- Sixteen light fixtures with 4000k color temperature mounted on 25' poles are proposed along the drives, in the parking lot, and in the outdoor storage area.
- Nine wall packs are proposed around the building.
- Light level at the property lines would be 0 footcandles. The average for the site is 1.0 footcandles and the maximum would be 14.2 footcandles.
- 5. Materials
 - The storage of building materials would refer to inside and outside storage.
 - A 7' high chain link fence with slats and barbed wire at the top is proposed around the outdoor storage area. The color of the slats has not been identified.
- 6. Hours of Operation
 - Quikrete operates two 8- or 10-hour shifts with the longest hours between 5:00 am and 1:30 am the following day.
 - Shipments typically occur between 3:00 am and 3:00 pm Monday Friday and Saturday between 5:00 am and 12:00 pm.
- 7. Employees
 - Six employees are anticipated to work on the new lot. After five years, an additional 10 employees may be added.

- 8. Subdivision
 - The subdivision plat only shows the proposed 8.396 acre lot rather than the entire Hyperion lot.
 - An easement for the drive extending between the new lot and the existing Quikrete lot is needed.
 - Sidewalk will be needed for the entire parcel and is shown as 7' wide along the back of curb.

Land Use Plans:

Worthington Comprehensive Plan

It is critical that the City protect the industrial corridor as an employment center. The City should strive to make this area attractive to investment and redevelopment. The availability and provision of amenities (like the Recreation Center), services, and infrastructure are important in this effort. The City could adopt stronger aesthetic design controls to improve the appearance of this corridor, but there must be a careful balance with the impact to the users. As long as the industrial corridor continues to be economically attractive to investment and production, it will continue to be a vital part of Worthington's success.

Worthington Code Basic Standards and Review Elements The following general elements are to be considered when hearing applications for Conditional Use Permits:

- 1. Effect on traffic pattern
- 2. Effect on public facilities
- 3. Effect on sewerage and drainage facilities
- 4. Utilities required
- 5. Safety and health considerations
- 6. Noise, odors and other noxious elements, including hazardous substances and other environmental hazards
- 7. Hours of use
- 8. Shielding or screening considerations for neighbors
- 9. Appearance and compatibility with the general neighborhood

Worthington Conditional Use Permit Regulations

The following basic standards apply to conditional uses in any "C" or "I" District: the location, size, nature and intensity of the use, operations involved in or conducted in connection with it, its site layout and its relation to streets giving access to it, shall be such that both pedestrian and vehicular traffic to and from it will not be hazardous, both at the time and as the same may be expected to increase with increasing development of the Municipality. The provisions for parking, screening, setback, lighting, loading and service areas and sign location and area shall also be specified by the applicant and considered by the Commission.

Engineering Comments:

- 1. Traffic Movements
 - The truck turning movement utilizing WB-62, could not successfully navigate within the internal site's proposed roadway geometry.
 - The truck turning movements utilizing WB-67, could not successfully make a right

ARB-MPC Staff Memo Meeting November 9, 2023 Page 8 of 10 turning movement into the site from Huntley Road without interfering with through traffic on Huntley Road. Left turning movements into the site would interfere with a departing truck exiting the site's driveway (the exiting truck would need to stop well short of the normal stopping position to allow the incoming truck onto site).

- Truck movements from the existing site's circulation route into the proposed expansion have not been analyzed.
- 2. Easements and R/W
 - A proposed Ingress/egress easement is not shown between two parcels.
 - Verify current R/W locations, specifically as it relates to existing fence location along the proposed subdivision.
- 3. Stormwater Management/Drainage
 - Stormwater management for the site shall follow the City of Columbus Stormwater Drainage Manual. From an initial review, the site appears to meet those standards.
 - A stand-alone SWP3 will be ultimately required as well as Post Construction Stormwater Operation & Maintenance plan.
- 4. <u>Parking</u>
 - 2 ADA parking spots shall be required with a minimum of one space being van accessible. This is not shown.
- 5. Sidewalk
 - The City's preference would be to locate the proposed 5-foot sidewalk 1-foot inside public R/W. The proposed 7-foot sidewalk adjacent to existing curb with no tree lawn separating walk and curb is not desired.
 - Show the installation of sidewalk along the entirety of the parent parcel and remainder parcel subject to this subdivision.

Division of Building Regulation Comments:

- The site plan provided indicates a roadway to the adjacent property to the south. No specific use group information per <u>OBC Chapter 3</u> was found and is likely S-1 per <u>OBC 311.2</u>. The proposed utilities to the new building indicates only a single water line, assumed to be for domestic water needs. <u>OBC 903.2.9</u> will likely require a fire suppression system in the building unless the fire areas within the building can be kept to under 12,000 sf using fire barriers in <u>OBC Section 707</u>. However, if storage exceeds 12', then fire suppression may be required per <u>OBC 413.1</u> and <u>OFC Chapter 32</u>. <u>OBC 1028.5</u> requires the exit discharge of a building to provide a direct and unobstructed access to the public way. No such pathway was found.
- 2) Similarly, <u>OBC 1104.1</u> requires an accessible route from public transportation and public streets or sidewalks to the accessible building entrance. No such pathway was evident.

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Planning Comments:

- 1. Site
 - The allowance for Quikrete to use Huntley Bowl Park Rd. was at least in part to keep truck traffic from backing up on Huntley Rd. With the addition of the extra parcel it seems truck traffic could be a problem again with having to go in and out the northern Quikrete entrance.
 - Some variety in the proposed landscaping may be appropriate.
- 2. Building
 - More details of the building are needed.
- 3. Employees
 - Based on the Comprehensive Plan, this corridor should be an employment center. Staff believes a larger number of employees should be on the proposed acreage.
- 4. Subdivision
 - Although most of the required information has been provided there is not one document that is the preliminary plat.
 - The Hyperion parcel should be shown as part of the plat.
 - A description of the access easement between the properties is needed.
 - Sidewalk placement needs to be discussed.

Recommendation:

Staff is recommending *tabling* these applications after discussion. Additional information is needed.



ARB APPLICATION ARB 0085-2023 594 Hartford St.

Architectural Review Board 10/16/2023 Plan Type: Project: App Date: Exp Date: Work Class: Certificate of Appropriateness District: City of Worthington Completed: In Review Status: Approval \$4,252.00 Valuation: Expire Date: Description: DUCTLESS SPLIT SYSTEM; OUTDOOR UNIT EAST SIDE; INDOOR IN GARAGE; CA232770 100-000012 Main Main Parcel: Address: 594 Hartford St Zone: R-10(Low Density Residence) Worthington, OH 43085 Applicant Owner Owner Mary Moreland Jeffrey A Silverman, trustee Deanna L Kroetz, trustee 935 Claycraft Rd. 594 HARTFORD ST 594 HARTFORD ST Gahanna, OH 43230 Worthington, OH 43085 Worthington, OH 43085 Business: 6145222965 Amount Paid Invoice No. Fee Fee Amount \$5.00 INV-00004739 Architectural Review Board \$5.00 \$5.00 \$5.00 Total for Invoice INV-00004739 \$5.00

Grand Total for Plan

\$5.00

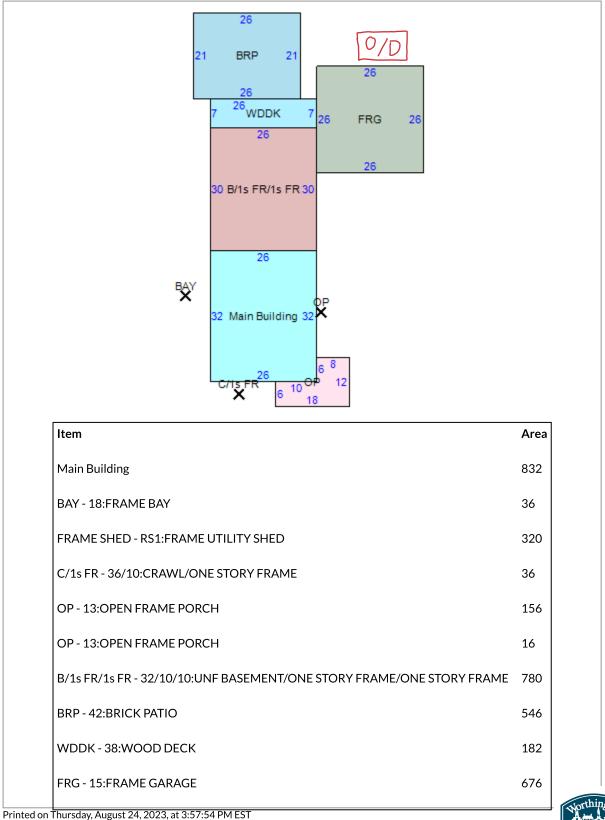
594 Hartford St.



Printable page

Parcel ID: 100-000012-00 SILVERMAN JEFFREY ALAN TTEE

Map Routing: 100-N065 -055-00 594 HARTFORD ST





Tag#



Submittal Data Sheet

FTX12AXVJU / RX12AXVJU

1-Ton Wall Mounted Heat Pump System



Complete warranty details available from your local dealer or at www.daikincomfort.com. To receive the 12-Year Parts Limited Warranty, online registration must be completed within 60 days of installation. Online registration is not required in California or Quebec. If product is installed in a commercial application, limited warranty period is 5 years.

	C	ooling	Hea	ting
1. 20 1. 20 1. 20	н	M	н	M
Airflow Rate (cfm)	436	316	412	316
	ι	SL	L	SL 210
	247	210	247	
Sound (dBA) 45 / 45 / 1		7/31/26	45 / 37	/ 30 / 26
Dimensions (H × W × D) (in)	11-1/3 × 3	30-29/32 × 9	-27/32
Weight (Lbs)			22	

Outdoor Specifications

Compressor		Hermetically Sealed Swing Type				
Refrigerant		R-410A				
Factory Charge (Lbs)		2.09				
Refrigerant Oil		PVE (FVC50K)				
Airflow Data (afm)	Cooling		Heating			
Airflow Rate (cfm)	н	1,051	н	966		
Sound Pressure Level (d	BA)		49			
Dimensions (H × W × D)	(in)	21-11/16 × 26-1/2 × 11-3/16				
Weight (Lbs)		64				

	Effic	iency			
Coo	ling	Heating			
SEER	19	HSPF	10.0		
EER	12.5	COP	3.80		

Performance

Cooling (Btu/hr)					
Rated (Min/Max)	10,900 (4,400 / 13,300)				
Sensible @ AHRI	9,090				
Moisture Removal gal/h	.19				
Standard Operating Range	50°F - 115°F				
Extended Operating Range*	-4°F - 115°F				
Rated Cooling Conditions:	Indoor: 80°F DB/67°F WB				

Outdoor: 95°F DB/75°F WB

*With field settings and wind baffle

Heating (Btu/hr)						
1:@ 47° Rated (Min/Max)	13,500 (4,400 / 16,400)					
2: @ 17° Rated	8,600 5°F – 65°F Indoor: 70°F DB/60°F WB Outdoor: 47°F DB/43°F WB					
Operating Range						
1: Rated Heating Conditions:						
2: Rated Heating Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 17°F DB/15°F WB					

Electrical

	208/60/1	230/60/1
System MCA	8.7	8.7
System MFA	15.0	15.0
Compressor RLA	8.5	8.5
Outdoor fan motor FLA	.47	.47
Outdoor fan motor W	41	41
Indoor fan motor FLA	.36	.36
Indoor fan motor W	38	38

Piping	
Liquid (in)	1/4
Gas (in)	3/8
Drain (in)	3/4
Max. Interunit Piping Length (ft)	65.625
Max. Interunit Height Difference (ft)	49.25
Chargeless (ft)	32.8
Additional Charge of Refrigerant (oz/ft)	.21



Daikin North America LLC 5151 San Felipe, Suite 500 Houston, TX 77

(Daikin's products are subject to continuous improvements. Daikin reserves the right to modify product design, specificati CITY OF WORTHINGTON

notice and without incurring any obligations)

hout DRAWING NO. ARB 85-2023 DATE 10/16/2023

Submittal Revision Date: August 2020

1 of 4



ARB APPLICATION ARB 0086-2023 825 High St.

Plan Type: Architectural Revi	ew Board	Project:			App Date:	10/17/2023
Work Class: Certificate of Appl	opriateness	District:	City of Worthington		Exp Date:	
Status: In Review					Completed:	
Valuation: \$3,400.00					Approval	
Description: Replacement of e style and dimension		nce on west side of bu	ilding. Replacement will be si	milar	Expire Date:	
Parcel: 100-000280	Main Addr	ess: 825 High St Worthington, Ol	Main H 43085	Zone:	C-3(Institutions a	nd Offices)
Owner T AND T INVESTMENTS LLC 825 HIGH ST Worthington, OH 43085	Applicant / Owner Jeremy Thiel 825 High St Worthington, OH 43 Business: 6148467 Mobile: (614) 908-	828				
Invoice No. Fee INV-00004749 Architectural F	Review Board				Fee Amount \$4.00	Amount Paid \$0.00
			Total for Invoice INV-00004	4749	\$4.00	\$0.00
			Grand Total for	Plan	\$4.00	\$0.00

825 High St.





A: 4'x35' B: 3'x31'



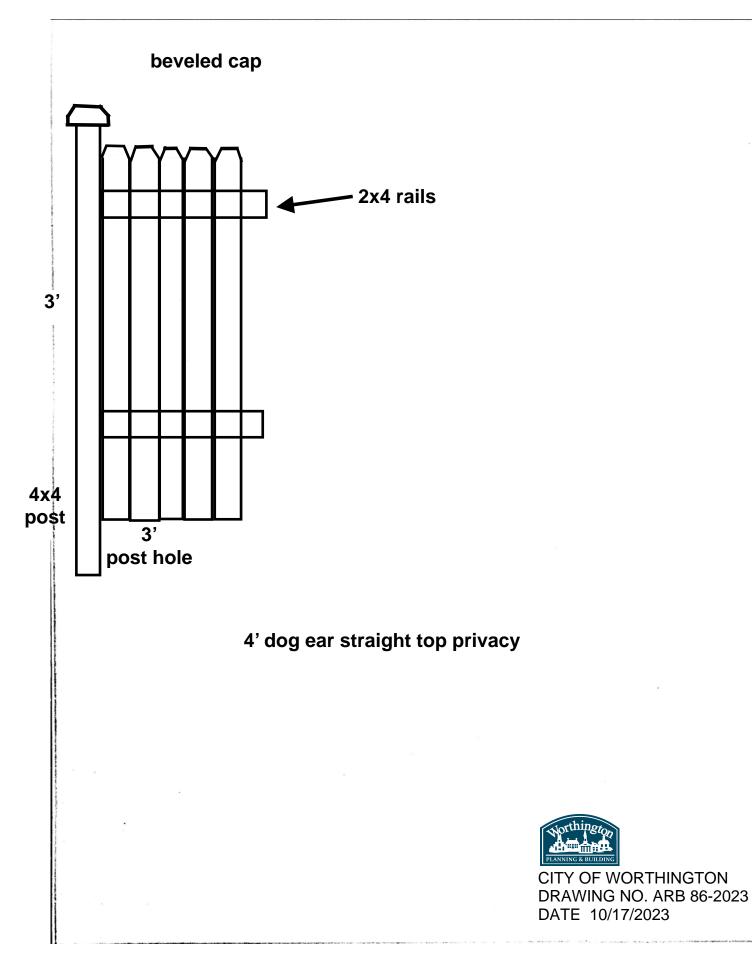




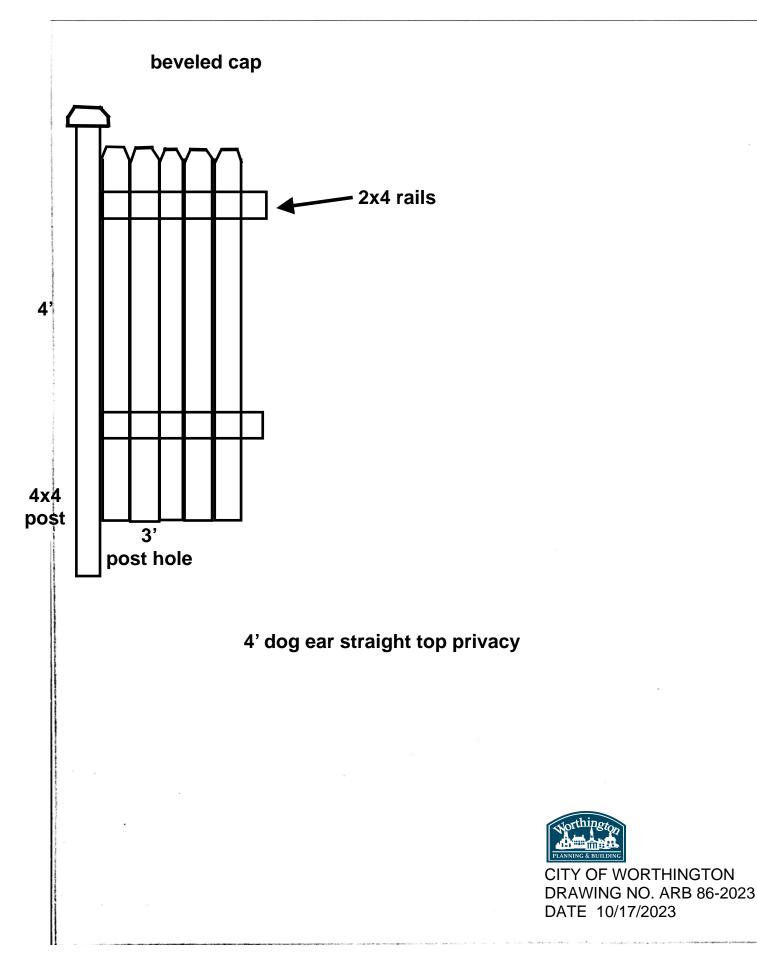
		에 가장 관계가 가장했다.			1.1
	Note	e.		Propos Date	6-5-23
Tel.	614.929.3526	-11		Expira Date	7-5-23
A second s	. 740.936.9991 MaeFence.com	Sold		Target Date	Install 7-5-23
Teleny	Thiel Scarate	a De Atal	811 DIG #	an se di	al uniter
Idress 825 N	High st.	e- Kernwi	Job Address	S	n Abrol arta
y, State, Zin Worthing	ton. 43085		Email	ture - de	ental eqt. net
me Phone - 408 - 19	QUU Cell Other		County/ Tow	vnship/ Subdivisio	on
Ustomer Responsibilities Obtain Permit / Variance HOA Approval Provide Legal Survey Clear Fence Line Contain Animals	□ Dirt removal is r □ The fence will fo □ Under no circun sionally located by □ Customer under	not included unless otherwi blow the natural contour of instances is Mae Fence res utility companies, including rstands checking (cracking	the property unless other ponsible for damages to p sprinkler lines, drain tiles in wood is normal and wi	wise specified. rivate lines and , electric fence	, and sump pump.
Locate Private Utilities		of construction activity and		4.4	Total Footage
	X			8=3%	31 68'
	Mr. uni			J	T.D: FTG 66
	5				
Mutch	aed -> AM				Conter
Apeas Clear	(2) June 2:0				or Haul Dirt Away
					# Breaks Con Asp
21	Jumpster 1				Transition Slopes
@1	-SK-6				
	145 6				Removable Panets
					Permits/Approvals
					City and Association
					fees are included PLAT OF SURVEY
/ PAYMENT TERMS:	Payment 1	Payment 2	Payment 3		MUST BE PROVIDED
50 % DEPOSIT	S Date	\$ Date V M D A Check	S Date	TOTAL	\$ 3400
office upon completion% DEPOSIT	#	#	#	DEPOSIT	\$ 1 100
ms:	Exp Sec	Exp Sec	Exp Sec	BALANCE	
OU, THE CONSUMER USINESS DAY AFTER e above prices, specifications and co cording to standard practices. Any al ove the sale price. Cancellation of thi dor attorney for collection. Mae Fend . Customer agrees to pay all fees and ayment is due immediately foll	Inditions are satisfactory and are her lteration or deviation from above spe s contract after three business days v e may record and enforce a mechan d costs associated with default paym	eby accepted. Payment will be ma ecifications involving extra charges will result in a 20% restocking fee. I ic's lein against the property on wh	will be executed only upon written the event of a default payment, ich the project was installed in ac	Mork is to be comp en orders and will b Mae Fence may pla cordance with the M	leted in a workmanlike manner become an extra cost over and ace the account with an agency
mpany Representative	. 1111	Customer Signatu	re	Northington	
1-1	1 Mills av 1			PLANNING & BUILDING	
Via	WITTERMS	10.00			VORTHINGTO

Created with Scanner Pro

Target Install Date: Name: Height 4 □ Spaced Picket □ Decorative Top Spacing Board Size: XI Solid Privacy Board on Batton Board Cut: □ Shadow Board □ Rail Material: □ Other: Vog bar privacu Pattern: Other: Middle Frame # of Face Caps mes / Rails Other Cedar □ Treated Pine □ Other Mortice and Tennon Toe Na Post Post Size Post Top ferel Cedar 05@NC □ Treated Pine □ Other Notes Black Gravity Latch # of Gates Wet Set Concrete Galvanized 2 - Way Latch # of Single Dry Set Concrete Jrop Rod □ Other # of Double _____ □ Other: # of Arbors Wire □ 2 - Post □ Crescent □ 4' Wide □ 4 - Post □ Traditional □ Other: 341 Workwarship Warranhy 141 gale High Wind Framma Cedar heart Pickets Cedar Core Gilst posts 36" deep post holes \$3700 + tot -> Spring Special -> \$3400. All IN (2270) (24 pires 6-30-23) 50% Down to lock price & be put on install schedule A No additional Coupons/Discounts to Marine Customer Initial CITY OF WORTHINGTON Created with Scanner DRAWING NO. ARB 86-2023 DATE 10/17/2023



Created with Scanner Pro



Created with Scanner Pro



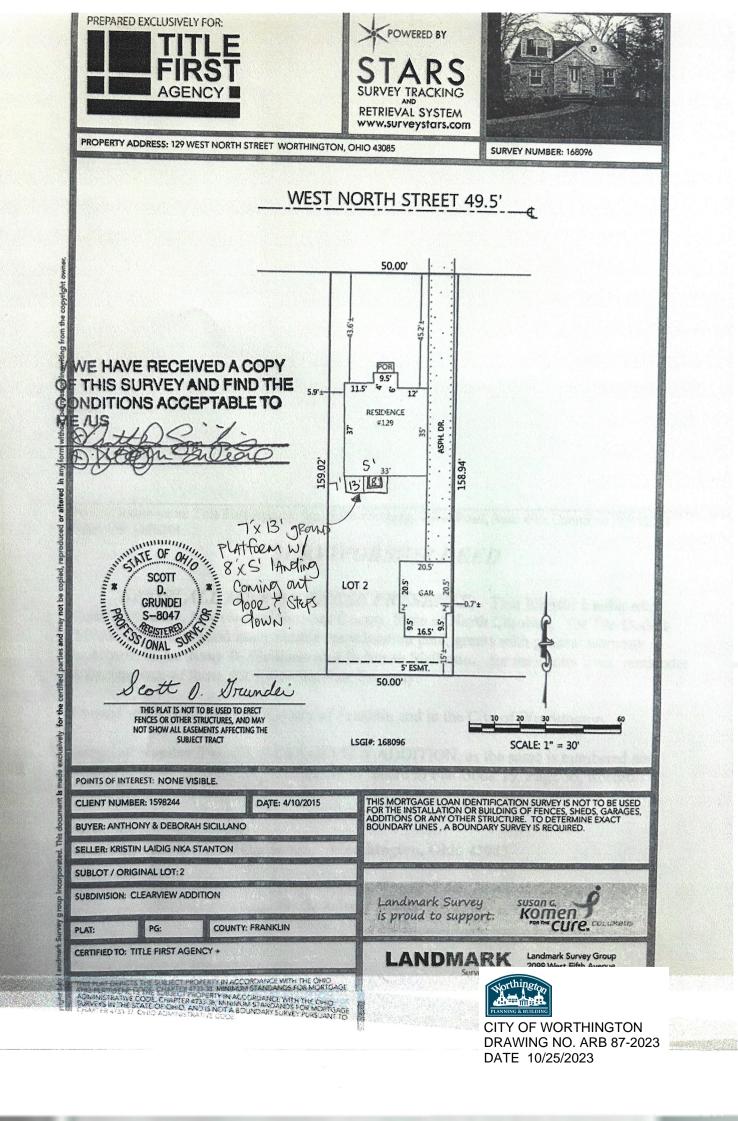
129 W. North St.

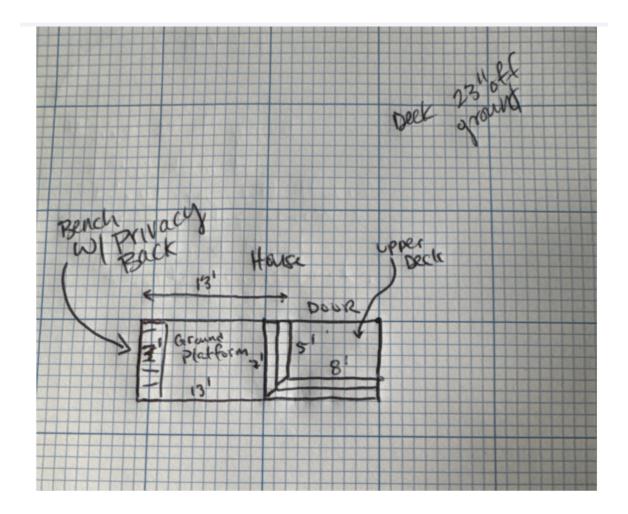
Plan Type:	Architectural Re	view Board	Pre	oject:				App Date:	10/25/2023
Work Class:	Certificate of Ap	propriateness	Dis	strict: City of Worthington			Exp Date:		
Status:	In Review	Review						Completed:	
Valuation:	\$17,275.00	17,275.00						Approval	
 Description: Tear out existing decking, railing, steps, and frame. color Brown Oak. 8'x5' upper deck with half wrap stewide bench across the back. Cable rail across one s Bench is Timbertech as well in color Brown Oak, 7' wo frail. Bench to have privacy back. 					o a 13'x7' ground p upper and down st	olatform wi eps.	th 7'	Expire Date:	
Parcel: 10	0-000282	Main		' North St ington, OH	43085	Main	Zone:		
Owner Deborah Sicili 129 W. North Worthington, (Mobile: 614-4	St. OH 43085	Applicant CAP CITY DI 1069 KENCH COLUMBUS, Business: 61 Mobile: (614	OH 43220 45700818	1069 KI COLUN Busines	tor TY DECKS & PATI ENCHESTER DR IBUS, OH 43220 ss: 6145700818 (614) 496-2957	OS			
Invoice No. INV-0000480	Fee 0 Architectura	l Review Board						Fee Amount \$18.00	Amount Paid \$18.00
					Total for Invoice	INV-0000	4800	\$18.00	\$18.00
					Grand	I Total for	Dian	\$18.00	\$18.00

129 W. North St.



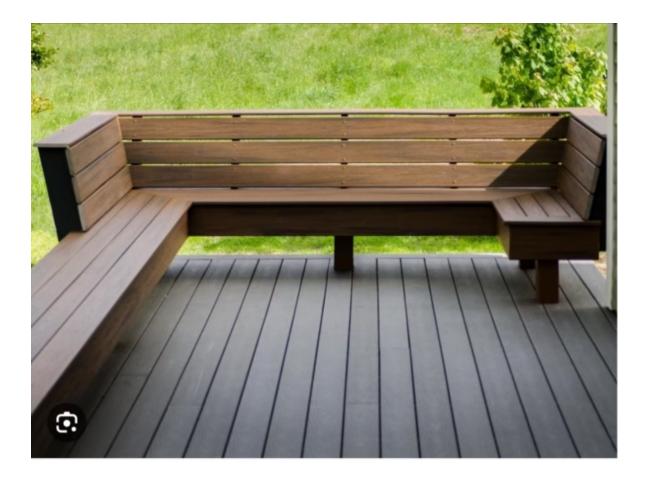
100-000282 08/25/2022



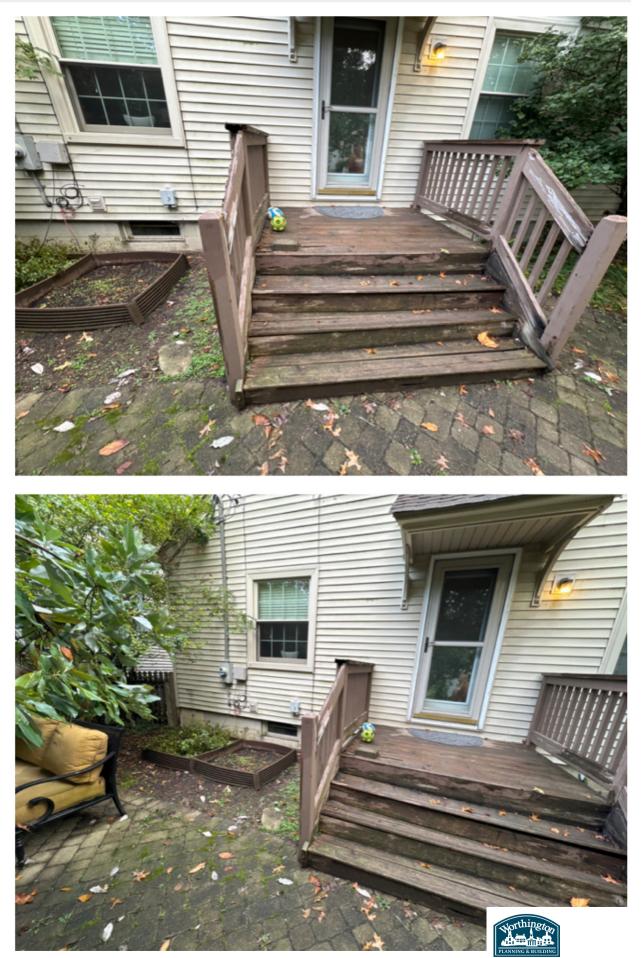


















ARB 0089-2023 541 Oxford St.

Plan Type:	Architectural Re	view Board		Project:				App Date:	10/26/2023
Work Class:	Certificate of Ap	propriateness		District:	City of Worthin	igton		Exp Date:	
Status:	In Review							Completed:	
Valuation:	\$300,000.00							Approval	
Description:	exterior coach lig basement windo	ghts on either sid	e of the sec indows, the	59-2023. The alter ond floor sliding de addition of a free- le landing and sta	oor, changing the standing hot tub	e two west si	de	Expire Date:	
Parcel: 10	0-000067	Main	Address:	541 Oxford St Worthington, OH	43085	Main	Zone:		
Owner Matthew J Pa 541 OXFORD Worthington , Home: 61457	OST OH 43085	Applicant RAS Constru Kyle Kochera 351 W SOUT Worthington Business: 61	in H ST , OH 43085						
Invoice No.	Fee							Fee Amount	Amount Paid
INV-0000480 ⁻	1 Architectural	Review Board						\$2.00	\$2.00
					Total for Invoic	e INV-00004	801	\$2.00	\$2.00

Grand Total for Plan

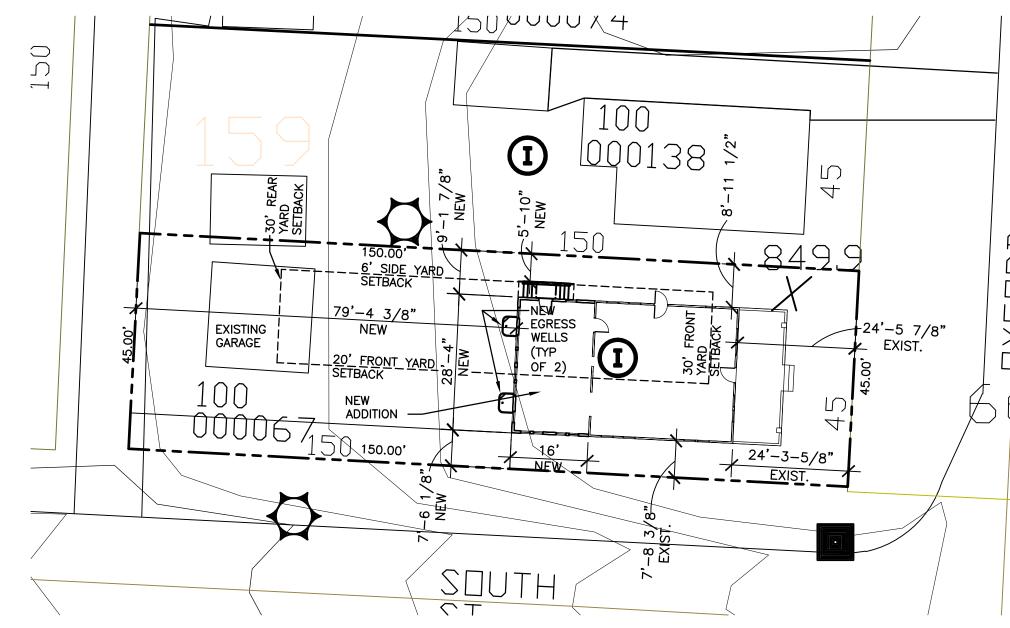
\$2.00

\$2.00

541 Oxford St

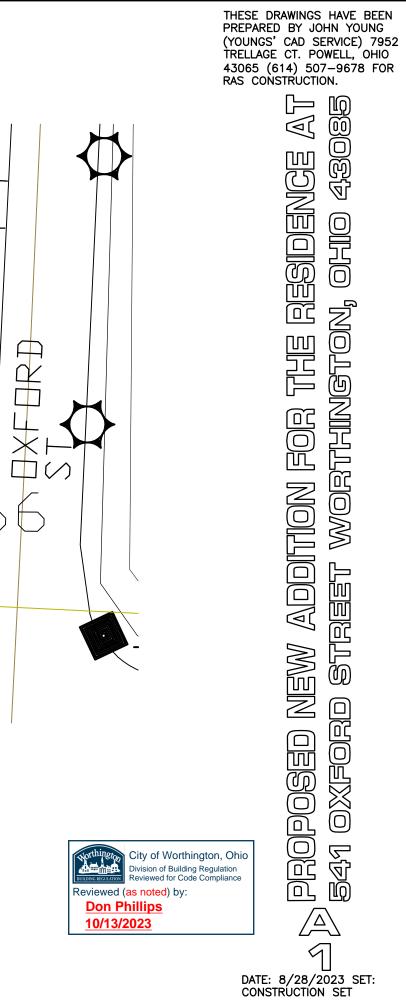


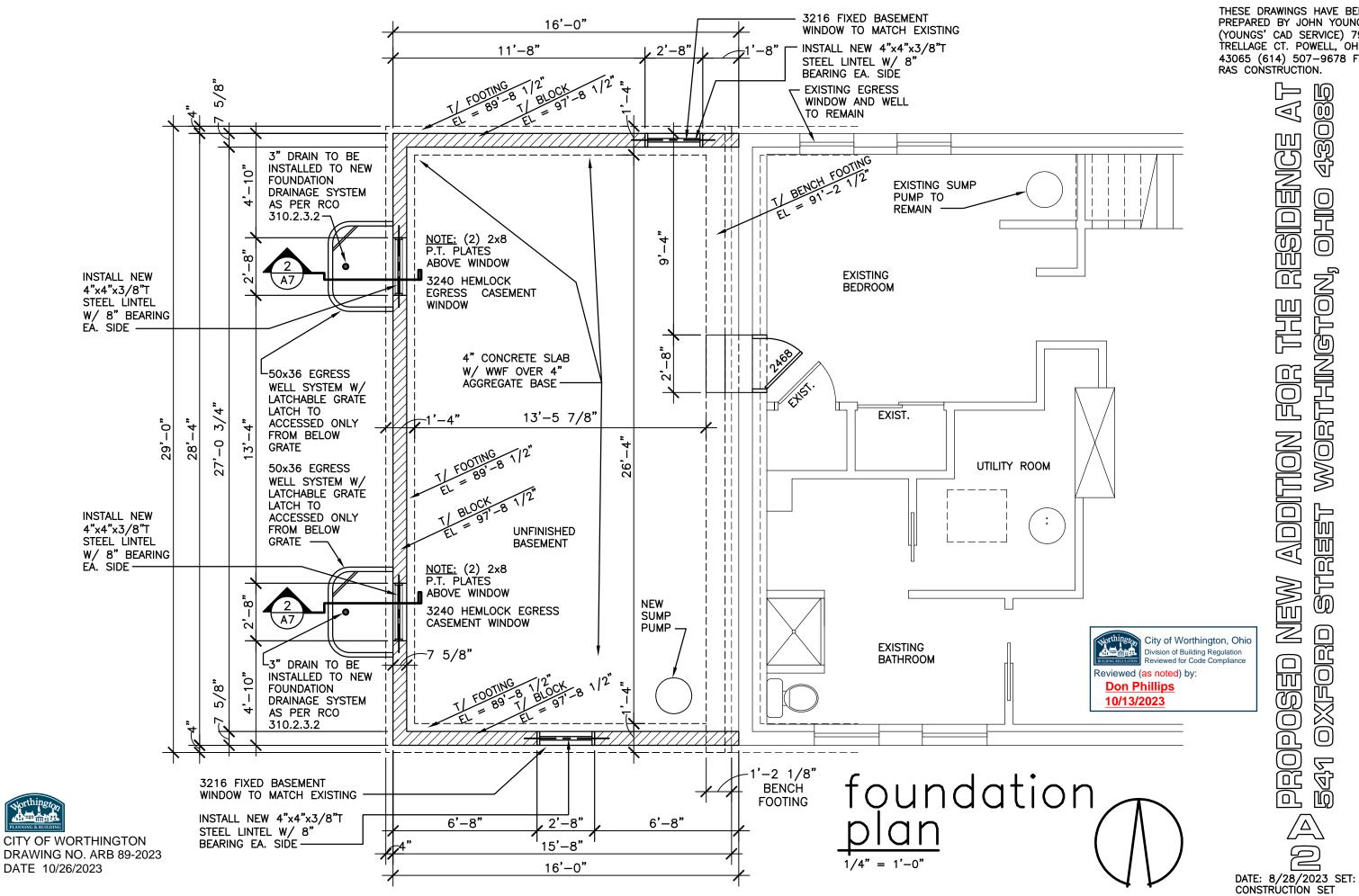




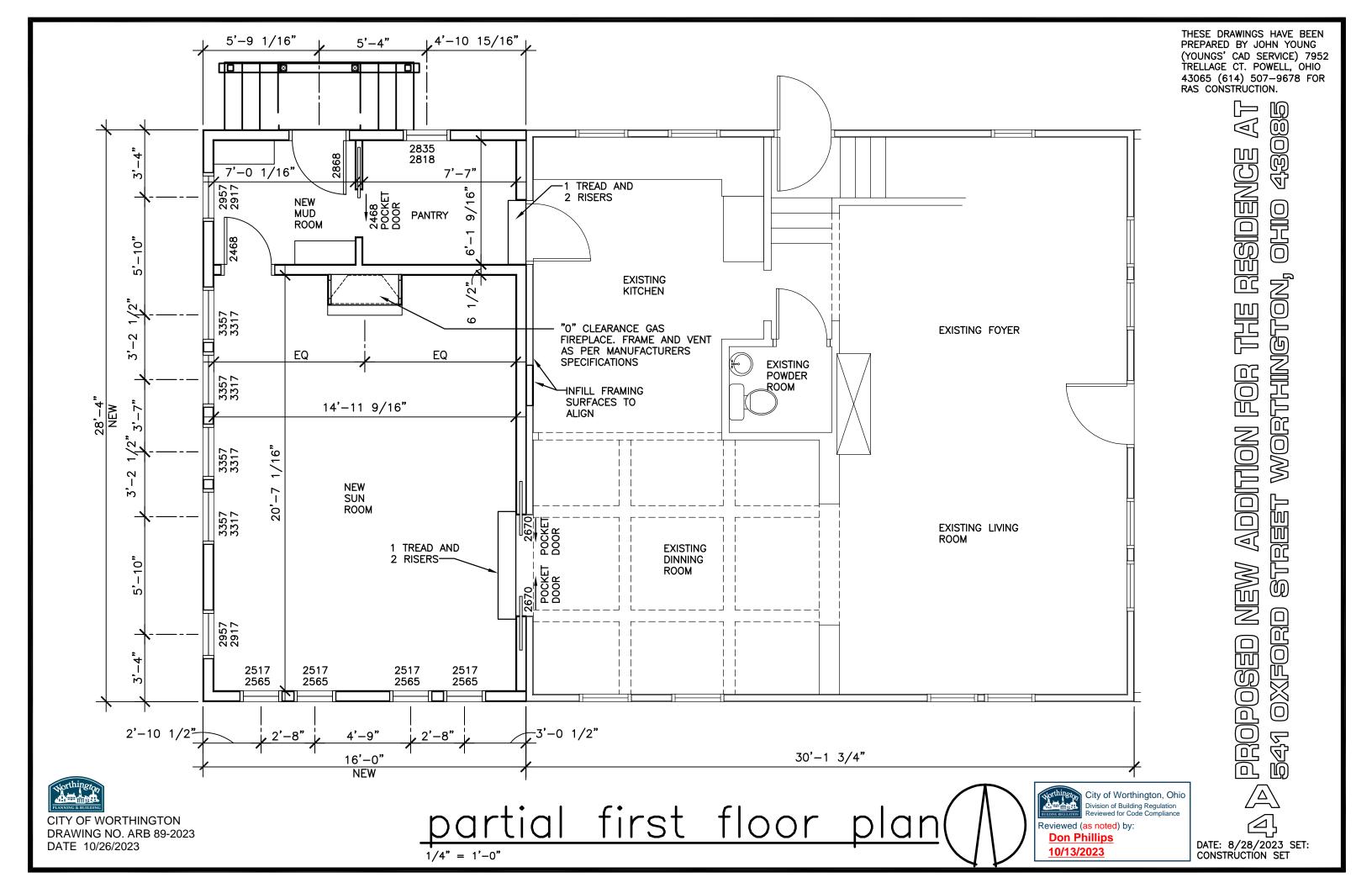


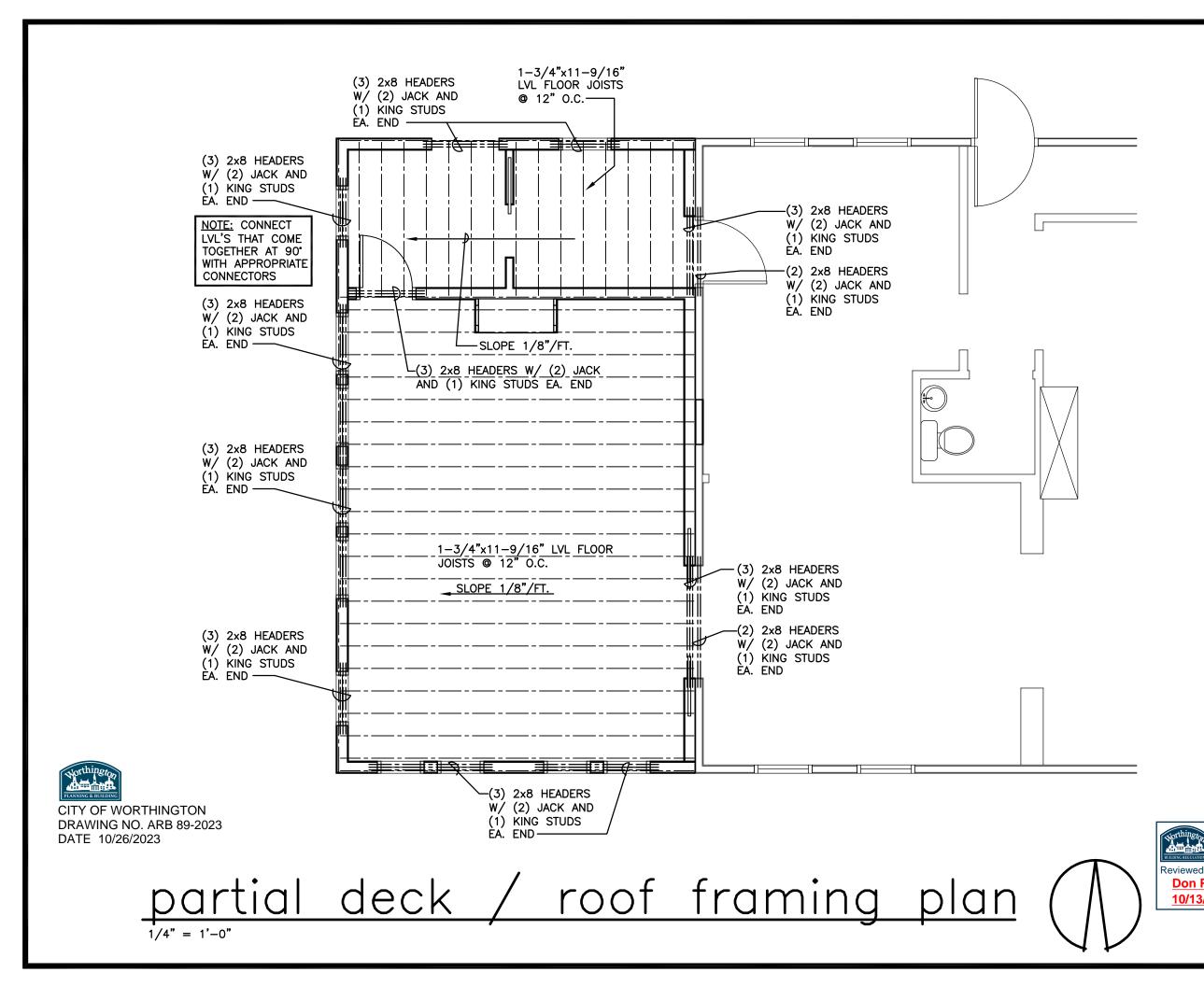






THESE DRAWINGS HAVE BEEN PREPARED BY JOHN YOUNG (YOUNGS' CAD SERVICE) 7952 TRELLAGE CT. POWELL, OHIO 43065 (614) 507-9678 FOR RAS CONSTRUCTION.



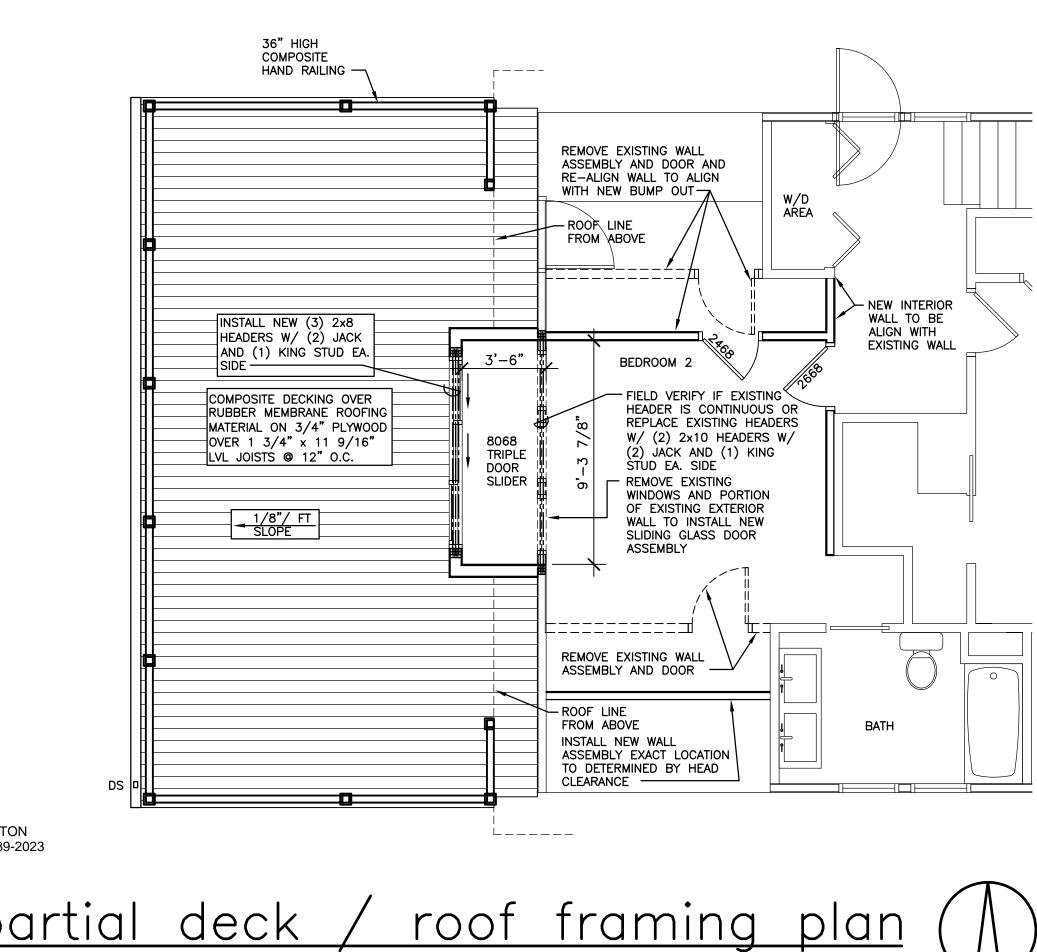


THESE DRAWINGS HAVE BEEN PREPARED BY JOHN YOUNG (YOUNGS' CAD SERVICE) 7952 TRELLAGE CT. POWELL, OHIO 43065 (614) 507–9678 FOR RAS CONSTRUCTION.



City of Worthington, Ohio Division of Building Regulation Reviewed for Code Compliance Reviewed (as noted) by:

Don Phillips 10/13/2023



PLANNING & BUILDING

CITY OF WORTHINGTON DRAWING NO. ARB 89-2023 DATE 10/26/2023

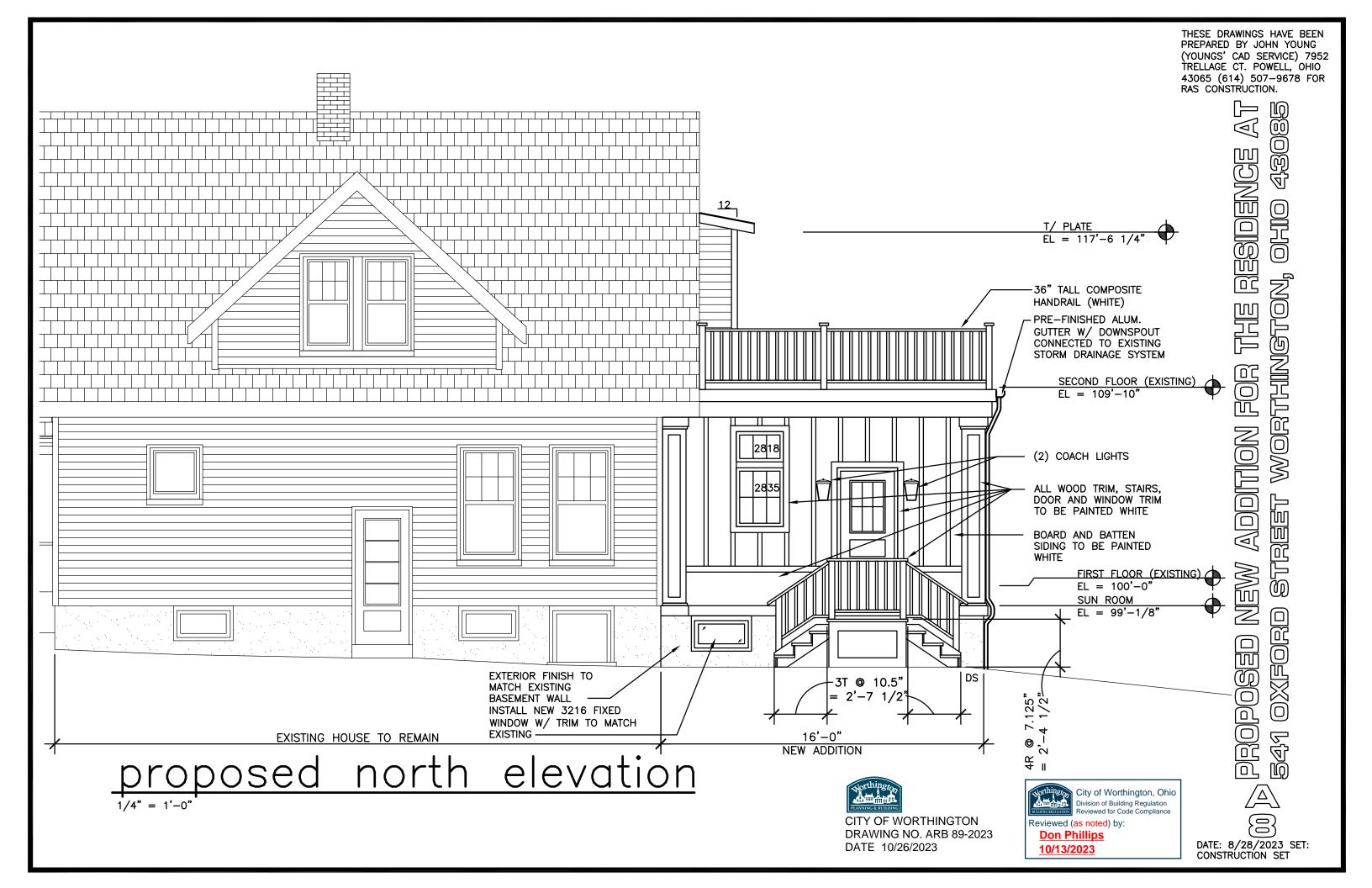
1/4" = 1'-0'

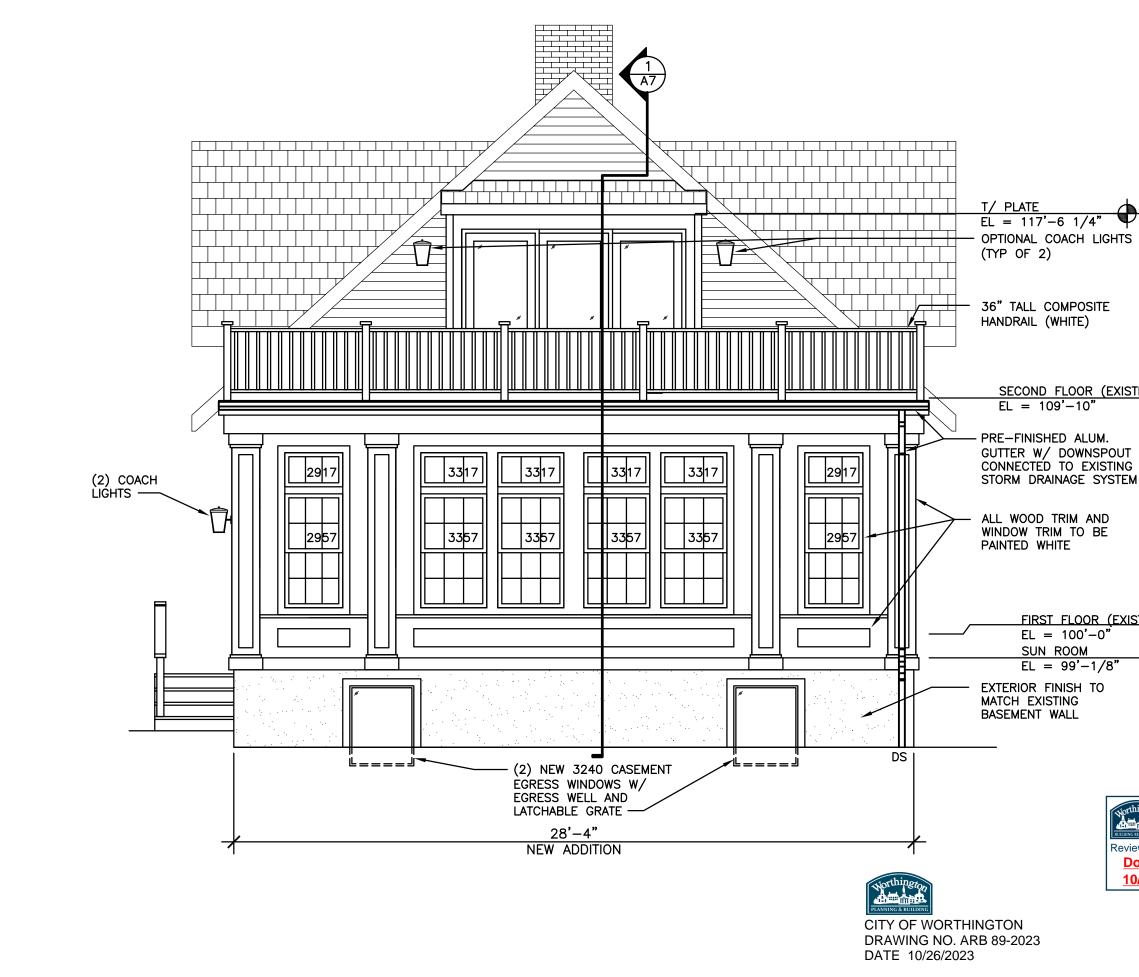
THESE DRAWINGS HAVE BEEN PREPARED BY JOHN YOUNG (YOUNGS' CAD SERVICE) 7952 TRELLAGE CT. POWELL, OHIO 43065 (614) 507–9678 FOR RAS CONSTRUCTION.



City of Worthington, Ohio Division of Building Regulation Reviewed for Code Compliance Reviewed (as noted) by: Don Phillips

Don Phillip 10/13/2023





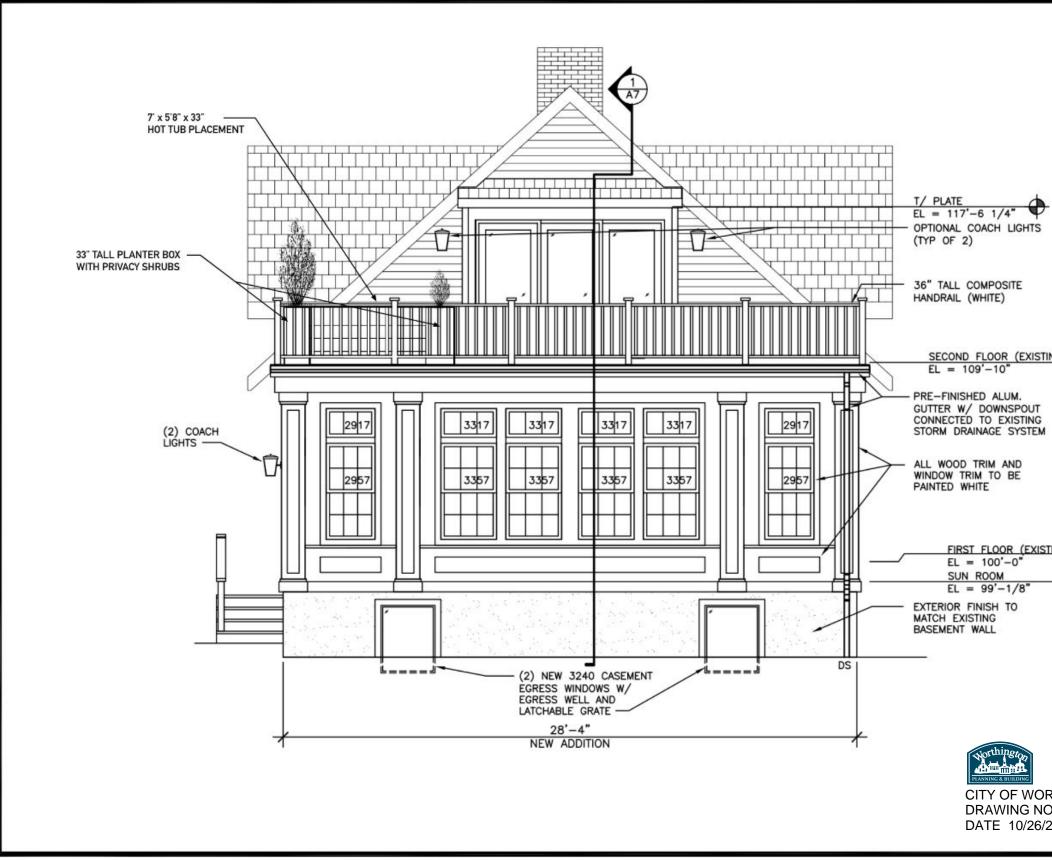
THESE DRAWINGS HAVE BEEN PREPARED BY JOHN YOUNG (YOUNGS' CAD SERVICE) 7952 TRELLAGE CT. POWELL, OHIO 43065 (614) 507-9678 FOR RAS CONSTRUCTION.



SECOND FLOOR (EXISTING)

<u>FIRST_FLOOR_(EXISTING)</u> EL = 99' - 1/8''

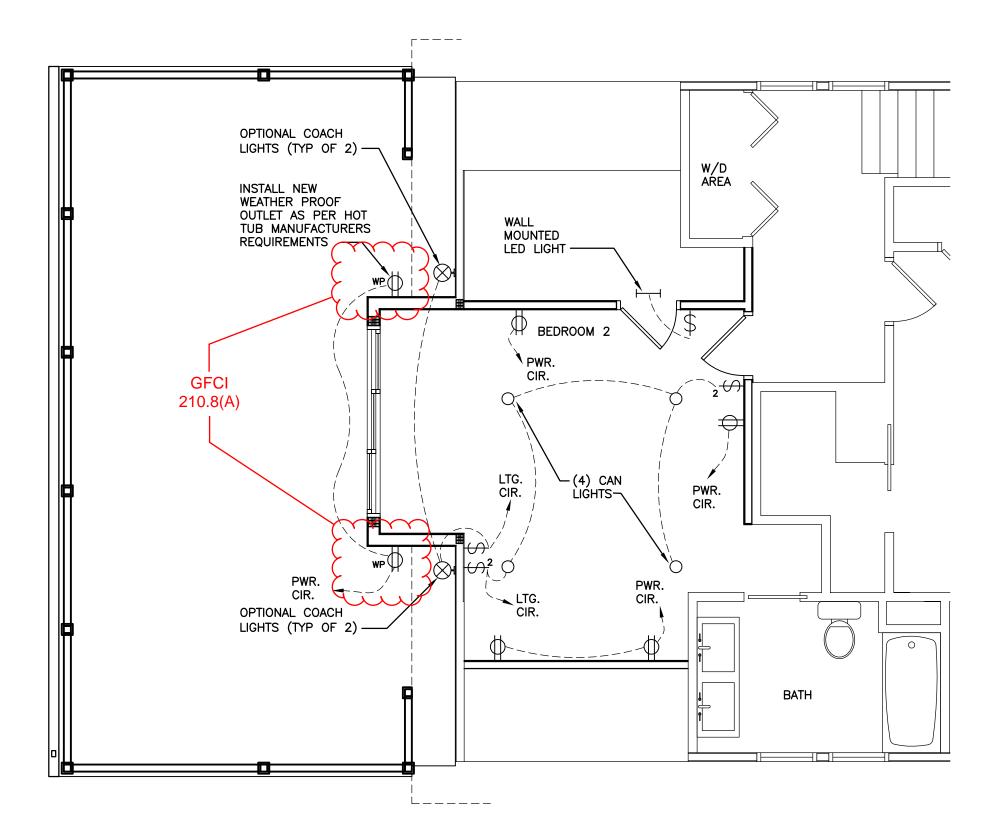




	THESE DRAWINGS HAVE BEEN PREPARED BY JOHN YOUNG (YOUNGS' CAD SERVICE) 7952 TRELLAGE CT. POWELL, OHIO 43065 (614) 507–9678 FOR RAS CONSTRUCTION.
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	E DES ON, O
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- 	TION F Mort
	ADOIT Refer
	NEW /
	0930 XFOR
	99000 541 0
DRTHINGTON NO. ARB 89-2023 5/2023	DATE: 8/28/2023 SET: CONSTRUCTION SET

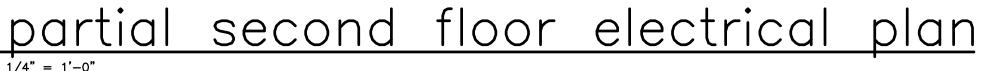


THESE DRAWINGS HAVE BEEN (YOUNGS' CAD SERVICE) 7952 TRELLAGE CT. POWELL, OHIO 43065 (614) 507-9678 FOR RAS CONSTRUCTION.





CITY OF WORTHINGTON DRAWING NO. ARB 89-2023 DATE 10/26/2023



THESE DRAWINGS HAVE BEEN PREPARED BY JOHN YOUNG (YOUNGS' CAD SERVICE) 7952 TRELLAGE CT. POWELL, OHIO 43065 (614) 507-9678 FOR RAS CONSTRUCTION.





City of Worthington, Ohio Division of Building Regulation Reviewed for Code Compliance Reviewed (as noted) by:

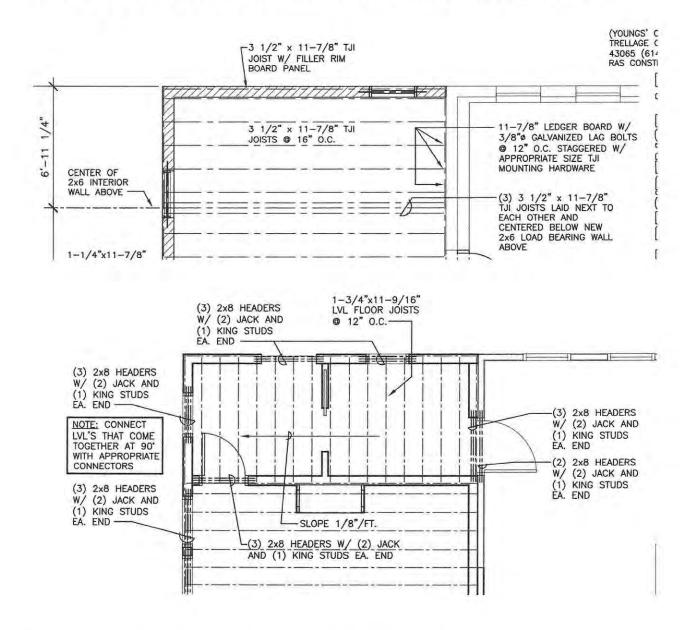
Don Phillips 10/13/2023



9425 Shawnee Trail Powell, Ohio 43065 513-706-8427

To Whom It May Concern:

This letter is in regards to the hot tub installation at 541 Oxford Street. See pictures below:



The hot tub is rated on the manufacturer's website for 78.7 psf total load, however for the sake of conservatism 100 psf load is being considered. Additional conservatism is to apply the 100 psf load across the entire deck housing the hot tub to account for parties, etc.



CITY OF WORTHINGTON DRAWING NO. ARB 89-2023 DATE 10/26/2023

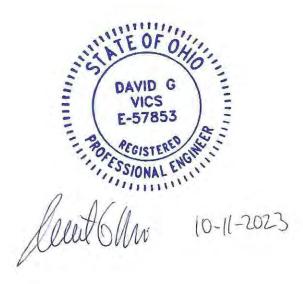


541 Oxford Street Hot Tub (page 2 of 2)

The deck load with 100 psf plus the 1st floor load of 40 psf live / 10 psf dead requires four 16' LVL beams at 11 7/8" to carry the tributary weight. The (3) 3.5" x 11 7/8" TJI joists are insufficient to manage the deck loading.

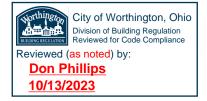
The 7' x 11 9/16" LVL joists @ 12" O.C. is extraordinarily conservative. Standard joist load tables show dimensional 2x12's could manage the load at 24" OC spacing. This design is very capable of safe construction as shown in the drawings above.

David Vics Professional Engineer, State of Ohio www.TheResidentialEngineer.com





CITY OF WORTHINGTON DRAWING NO. ARB 89-2023 DATE 10/26/2023





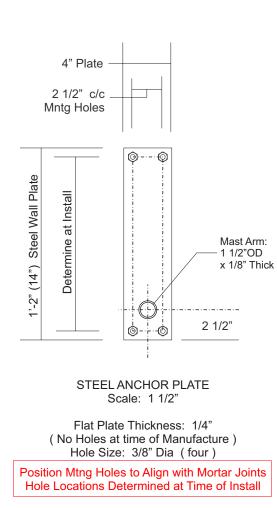
ARB APPLICATION ARB 0090-2023 41 W. New England Ave.

Plan Type:	Architectural Revi	ew Board		Project:				App Date:	10/27/2023
Work Class:	Certificate of Appr	opriateness		District:	City of Wor	thington		Exp Date:	
Status:	Submitted - Online	e						Completed:	
Valuation:	\$3,026.25							Approval	
Description: Application for new exterior buil plaque sign on front near door.			ing signage	to include hangi	ing bracket sign	on building fror	t and	Expire Date:	
Parcel:			Address:	41 W New Eng Worthington, O		Main	Zone:		
Applicant Stephen Pote	et	Owner Kevin Royha	ns						
675 MORNING Worthington , Business: 615 Mobile: (615)	OH 43085 58185580	Home: (614) Business: (6 Mobile: (614) 332-9237 (14) 332-923	37					
Invoice No.	Fee							Fee Amount	Amount Paid
INV-00004797	7 Architectural F	Review Board						\$4.00	\$4.00
					Total for Inv	voice INV-00004	797	\$4.00	\$4.00
					G	rand Total for	Plan	\$4.00	\$4.00

41 W. New England Ave.









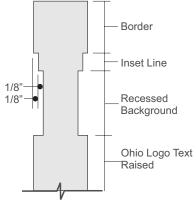
DOUBLE FACE ENGRAVE HDU SIGN / STEE MAST ARM

 * Double Face Engraved HDU Sign Panel with Painted, Color Fill Graphics * Non-Illuminated * HDU Panel Thickness: 2" (cut to shape) * Ohio PRS Logo per Clients Vector File * Colors: 	 * Mast Arm Bracket & Anchor Plate Anchor Plate: 1/4" thick x 14" x 4" Mounting Hole Size: 3/8" Dia (four) Hole Locations Determined at time of Install. Holes Align with Mortar Jointa Mast Arm: Steel Pipe, 1 1/2" OD x 1/8" Mast Arm Length: 36" * Chain/Hang Hardware: 19" c/c * Mast Arm Elements, Chain,Hardware Color: Black
--	--



Bottom of Sign to Grade: 90" (see pg#2)

TOP OF DOOR FRAME TO GRADE: 109" Scale: 1/4"(+-)

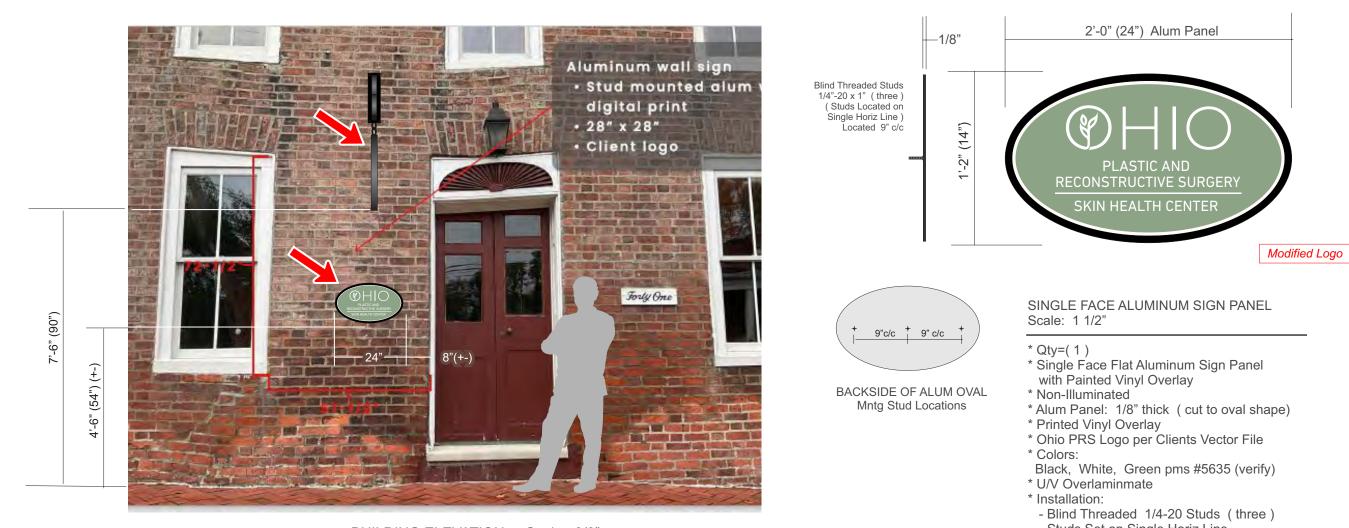


TYPICAL HDU SECTION



CITY OF WORTHINGTON DRAWING NO. ARB 90-2023 DATE 10/27/2023

-				
₽	LK	Dwg: 223-0294		
Sales: ID	Design:	Dwg:		
U/L: Yes No	Install per NEC 600 Design: LK	- Grounding - Bonding		ColumbusSign.com
	Approval Signature			⁻ : (614) 252-2494
Project Layout	0 Approved as Noted		COLUMBUS SIGN COMPANY	P: (614) 252-3133
+	142 W. New England Wormington	10/24/23 rev10/30/23 7:20	COLUMB	1515 E. Fifth Ave. Columbus, OH 43219 P: (614) 252-3133 F: (614) 252-2494 ColumbusSign.com
	Columbus Sign Co.	SINCE 1911		



BUILDING ELEVATION - Scale: 3/8"

- Studs Set on Single Horiz Line - Studs Set in Silicone Adhesive
- Studs Set in Mortar Lines Only

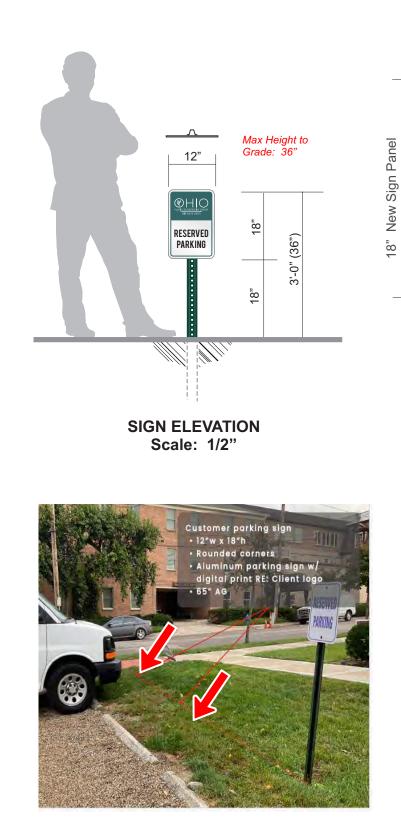


CITY OF WORTHINGTON DRAWING NO. ARB 90-2023 DATE 10/27/2023

(
Sales: ID	esign: LK	Uwg. 220-024
U/L: Yes No	NEC 600 D	- Bonding
	Approval Signature	
Project Layout	0 Approved 00 Approved as Noted	COLUMBUS SIGN COMPANY
· Surger	142 W. New England Wormington	10/24/23 TeV10/30/23 /:20 COLUMB
	Columbus Sign Co.	

1

ColumbusSign.com F: (614) 252-2494 P: (614) 252-3133 1515 E. Fifth Ave. Columbus, OH 43219





TRAFFIC CONTROL POST & PANEL Scale: 1 1/2"

* Qty=(**2**)

- * Furnish & Install New S/F Aluminum 18" x 12" Panel and Drive Post re: OHIO RESERVED PARKING
- * Sign Panel
- Flat Aluminum .080" thick - Radius Corners
- * Decal Overlav
- Printed 18" x 12" White Vinyl re: OHIO RESERVED PARKING
- Ohio Logo per Clients Vector File
- Header Color: B/G Field: Green pms 5635
- Ohio Logo Color: White
- Inset Line Color: Green pms 5635 - Text "RESERVED PARKING" Black
- * Background Color: White
- * U/V Overlaminate
- * Drive Post: (two) - Standard #2 Steel Drive Post 72" Lgth
- 3/8" Dia Holes set 1" c/c Drive Post Color: Dark Green
- * Installation:
- Drive Post Set in Dirt (no concrete) - Top of Sign to Grade 36"





Existing Sign Panel 18"

> Existing Steel Drive Post

®HIC <u>_</u> RESERVED '-0" (36") PARKING 18,

12"

Max Height to

Grade: 36"

SIGN ELEVATION Scale: 1/2"



MODIFY EXISTING DRIVE POST HEIGHTS PRINTED VINYL OVERLAY DECALS Scale: 1 1/2"

* Qty=(**2**)

* Modify Existing Steel Drive Post Height and Update Graphics on 18" x 12" Sign * Remove Existing Sign Panel from Drive Post * Reduce Height of Existing Drive Post - Cut Drive Post to 36" Above Grade * Furnish & Apply New Printed Vinyl Decals - Existing 18" x 12" Alum Panels Decal Overlay
 Printed 18" x 12" White Vinyl re: OHIO RESERVED PARKING - Ohio Logo per Clients Vector File - Header Color: B/G Field: Green pms 5635 Ohio Logo Color: White - Inset Line Color: Green pms 5635 - Text "RESERVED PARKING" Black * Background Color: White * U/V Overlaminate * Reinstall Updated Sign Panel to Drive Posts



CITY OF WORTHINGTON DRAWING NO. ARB 90-2023 DATE 10/27/2023

(ŋ		
Sales: ID	Design: LK Dwg: 223-0294		
U/L: Yes No	Install per NEC 600 Design: LK - Grounding Dwg: 223 - Bonding		ColumbusSign.com
	Approval Signature		(614) 252-2494
Project Layout	0 Approved 0 Approved as Noted	COLUMBUS SIGN COMPANY	43219 P: (614) 252-3133 F: (614) 252-2494 ColumbusSign.com
Ohio Plastic & Reconst Surgery	10/24/23 rev10/30/23 7:20	COLUMB	1515 E. Fifth Ave. Columbus, OH 43219
	Columbus Sign Co.		



MPC APPLICATION CU 04-2023 & SUB 04-2023 6325 Huntley Rd.

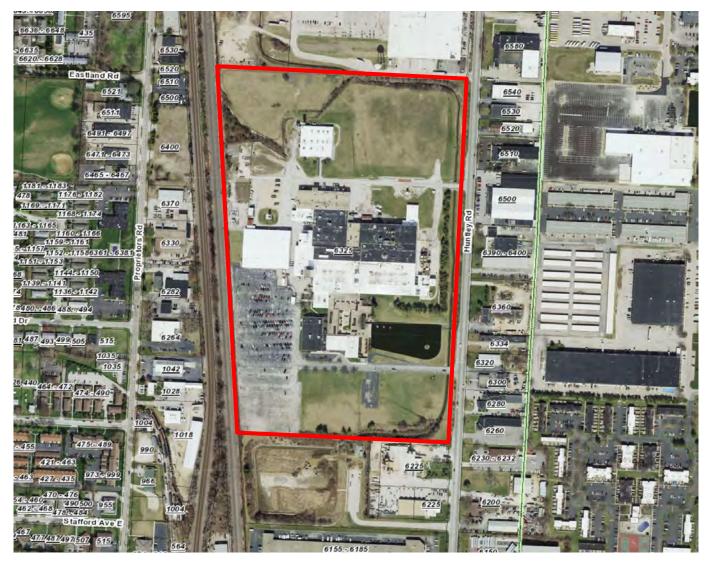
Plan Type:	Conditional Use Permit	Project:		App Date:	10/24/2023
	Subdivision - Preliminary Plat	District:	City of Worthington	Exp Date:	
				Completed:	
Description: On behalf of The Quikrete Companies, Inc., Civil & Environmental Consultants, Inc. has developed this conditional use permit and supporting documentation for the purchase and proposed development of an approximately 8-acre parcel currently part of Parcel Number 100-002243, owned by Diamond Innovations, Inc.			Approval Expire Date:		

(Hyperion, LLC).

Proposed Lot Split - Huntley Road Industrial Subdivision

Parcel: 10	0-002243	Main	Address:	6325 Huntley Rd Worthington, OH 43229	Main	Zone:	I-2(General Industria	al)
Dwner Quikrete Phil Wegmille 3225 Huntley Columbus, Ol Business: 61	Rd. H 43229	Applicant Jeffrey Hart 250 W. Old Wilson Bridg Road Suite 250 Worthington, OH 43085 Business: (614) 564-663 Mobile: (614) 381-2417		South HIgh Street Columbus, OH 43215	Ste	perion M ve Wood siness: 6		
nvoice No.	Fee						Fee Amount	Amount Paid
INV-00004612	2 Conditional l	Jse Permit				_	\$25.00	\$25.00
				Total for Invoice	NV-00004	612	\$25.00	\$25.00
				Grand	Total for I	Plan	\$25.00	\$25.00
Invoice No.	Fee						Fee Amount	Amount Paid
INV-0000480	8 (Subdivision)Preliminary Plat					\$150.00	\$150.00
				Total for Invoice	NV-00004	4808	\$150.00	\$150.00

6325 Huntley Rd.





Civil & Environmental Consultants, Inc.

September 15, 2023



CITY OF WORTHINGTON DRAWING NO. CU 04-2023 SUB 04-2023 DATE 10/24/2023

City of Worthington Municipal Planning Commission 374 Highland Avenue Worthington, OH 43085

To Whom It May Concern:

Subject:	Narrative for Conditional Use Permit
	Quikrete Expansion Project
	6325 Huntley Road, Worthington, OH 43229
	CEC Project 325-839

Founded on May 22, 1940 in Columbus, Ohio, The Quikrete Companies, Inc. is an industry pioneer known for its iconic and unmistakable yellow bag of concrete. During the past 83 years, The Quikrete Companies evolved from a fledgling building materials supplier in Columbus, Ohio to the largest manufacturer of pre-blended, packaged concrete and cementitious products in North America. Today, The Quikrete Companies is a comprehensive building solutions powerhouse proudly contributing to the growth and health of our country's structure and infrastructure every day.

On behalf of The Quikrete Companies, Inc., Civil & Environmental Consultants, Inc. has developed this conditional use permit and supporting documentation for the purchase and proposed development of an approximately 8-acre parcel currently part of Parcel Number 100-002243, owned by Diamond Innovations, Inc. (Hyperion, LLC). The development will consist of approximately 800 linear feet (LF) of paved roadway, a parking lot, storage building with attached office space, an outdoor storage pad area, and stormwater best management practices. It should be noted that at this time, the development of this conditional use permit, application and supporting documentation is being requested as part of the pre-approval requirement to facilitate the sale of the 8-acre parcel (100-002243) from Hyperion, LLC to The Quikrete Companies, Inc.

The manufacturing processes at Quikrete are drying of natural aggregates through a rotary dryer, the blending and mixing of these aggregates with various cements that are stored on site and packaged and palletized. Manufacturing will continue on Quikrete's existing facility located at 6225 Huntley Road (Parcel Number 100-002797), while the proposed development would be used to store finished product, packaging and daily shipping operations.

In an effort to minimize access points along Huntley Road, access to the proposed development on Parcel Number 100-002243 will utilize an existing entrance from Parcel Number 100-002797, currently denoted with existing signage as "Quikrete Gate 3". Access via Quikrete Gate 3 will cross Rush Run via a proposed bridge/stream crossing culvert, as depicted in the attached site plans. The Quikrete manufacturing plant, on Parcel Number 100-2797, had an additional entrance City of Worthington – Municipal Planning Commission CEC Project 325-839 Page 2 September 15, 2023

currently denoted with existing signage as "Quikrete Gate 1" constructed on Huntley Bowl Road in 2021, which allows the staging of shipping/delivery vehicles on Huntley Bowl Road rather than Huntley Road. The use of Quikrete Gate 3 as access to the proposed development site, in conjunction, with the addition of Quikrete Gate 1, is expected to have no impact to the current traffic patterns on Huntley Road as a result of the proposed development.

Based on information provided to CEC by Quikrete, and a pending agreement between Quikrete and Hyperion, Quikrete will not manufacture materials on the proposed site for an initial period of five (5) years. Using phases of implementation of improvements Quikrete intends to construct the proposed site improvements and begin operational activities in conjunction with operations of the main production facility. Quikrete anticipates an estimated 6 employees will be present on the proposed 8-acre parcel development during a typical shipping day after full implementation of the plan. Quikrete has a projected growth rate of an additional 10 employees to be required, over an additional period of 5 years, at both the existing facility at 6225 Huntley Road (Parcel Number 100-002797) and at the new 8-acre parcel. Using the OEPA Greenbook, Division of Surface Water, Design Standards (2013 Edition), a design flow of 25 gallons per day per employee in a factory/warehouse without showers was used to estimate sewage flows from the proposed development and tied into the existing sanitary sewer on Huntley Road, after the 5-year waiting period. A total of 500 gallons per day of sewage are expected to be released from the proposed development, based on the additional 5-year projection.

An existing sanitary service exists on the 8-acre parcel, which due to the proposed development will be relocated into an easement along the northern edge of the parcel boundary, continuing south along the edge of the Rush Run easement, maintaining its current connection to the main sanitary sewer on Huntley Road. Sanitary service from the proposed building will be connected to the relocated sanitary service. The existing sanitary sewer on Huntley Road is a 15" diameter sewer. Per the guidance on the OEPA Greenbook, and based on topographic survey information provided to CEC, the existing sewer on Huntley Road has an approximate capacity of 1,131,000 gallons per day. The inclusion of sewage from the proposed development after the 5-year waiting period, and after the expected projected growth rates will result in a 0.02% and 0.04% increase on the existing system, respectively. The impacts on the existing sanitary sewer as a result of the proposed development can be considered negligible, and the proposed development will have no impact on existing sanitary systems.

Existing drainage patterns on the proposed 8-acre parcel drain from west to east and from north to south, utilizing an existing stream (Rush Run). Proposed development of the 8-acre parcel will ensure that existing drainage patterns remain unaffected. Stormwater runoff from the proposed development will be managed on-site, utilizing a dry extended detention basin, which outlets to an existing outfall located the southern edge of the parcel boundary.

Due to the proposed development of the 8-acre parcel, the following utilities will be required: sanitary service (relocated Hyperion service line and proposed building service), water service, electric service, and relocated gas service.



CITY OF WORTHINGTON DRAWING NO. CU 04-2023 SUB 04-2023 DATE 10/24/2023 City of Worthington – Municipal Planning Commission CEC Project 325-839 Page 3 September 15, 2023

Quikrete is committed to protect the health and safety of every employee, Contractor, vendor, customer, and guest while on Quikrete's premises by complying with federal, state, and local health and safety laws, as well as, health and safety rules, procedures and practices established by The Quikrete Companies, Inc.

As stated previously, the manufacturing processes at Quikrete are drying of aggregates through a rotary dryer, the blending and mixing of these aggregates with various cements that are stored on site that are packaged and palletized. Aggregates and cements are transported to the Columbus location (Parcel Number 100-002797) via dump trailers or trucks and pneumatic tankers. Other products bagged on the site are various aggregates of different sizes that are packaged for customer convenience. Dust collection is utilized throughout the plant to maintain an environment for Quikrete employees that complies with OSHA guidelines for this industry.

Manufacturing will continue at Quikrete's existing facility at 6225 Huntley Road (Parcel Number 100-002797), while the proposed 8-acre site development would be used to store finished product, packaging and daily shipping operations. No manufacturing by Quikrete will take place on the 8acre site for the next five years pursuant to an agreement with Hyperion, LLC.

Quikrete operations utilizes two (2) production shifts throughout the calendar year: 8 or 10-hour shifts depending on the volume of business the plant needs to service, the expanded 10-hour shift normally occurring from the busier months of March through September of each year. Hours of operation during the expanded hours of operation run from 5:00 am to 1:30 am the following day, running one overtime shift on Saturdays at 6:00 am and finishing at 1:00 pm. Daily shipments occur from 3:00 am to 3:00 pm Monday through Friday, with Saturday during the busy months. Saturday shipments typically occur from 5:00 am to 12:00 pm. The plant does not schedule production of shipping on Sundays.

The proposed building with office space on the 8-acre parcel will comply with all building codes and requirements. The development of this site would take place in phases over a period to be defined once the agreement is in place and the sale completed with Hyperion, LLC.

A proposed site improvement plan has been included in this permit application submittal with the aim of further explaining the proposed development and its effects on the current neighborhood. As part of the site plan, a landscape plan has been included proposing the use of vegetation providing a natural screen/buffer aiding the development in better blending into the Huntley Road corridor.

In closing, we would like to thank the City of Worthington and the respected members of the city's Municipal Planning Commission for their time and consideration in the review of Quikrete's Conditional Use Permit Application. We look forward to discussing the project with you at the City of Worthington Planning and Zoning Commission meeting to be held on September 28, 2023. In the meantime, if you have any questions or require any additional information, please do not hesitate to contact us. We will be more than happy to assist you.



CITY OF WORTHINGTON DRAWING NO. CU 04-2023 SUB 04-2023 DATE 10/24/2023

Civil & Environmental Consultants, Inc.

City of Worthington – Municipal Planning Commission CEC Project 325-839 Page 4 September 15, 2023

Respectfully submitted,

CIVIL & ENVIRONMENTAL CONSULTANTS, INC. 250 W. Old Wilson Bridge Road, Suite 250 Worthington, OH 43085 Contact: Jeffrey D. Hart, P.E., CPESC Phone: (614) 564-6633 Email: jhart@cecinc.com



Civil & Environmental Consultants, Inc.

Situated in the State of Ohio, County of Franklin, City of Worthington, part of Quarter Section 3, Township 2 North, Range 18 West, United States Military District, and being part of a 49.003 acre tract of land conveyed to DIAMOND INNOVATIONS, INC. in Instrument Number 201303280051647, being of record in the Recorder's Office, Franklin County, Ohio.

The undersigned ______, representative of DIAMOND INNOVATIONS, INC., owner of said 49.003 acre tract of land, being all of the lands platted herein, duly authorized in the premises, do hereby certify that this plat correctly represents their "Subdivision", a subdivision consisting of LOT 1, and do hereby accept this plat of the same.

In witness, Whereof, __________, Manager of DIAMOND INNOVATIONS, INC,

set his/her hand this ____ day of _____, 2023, for and on behalf of said company.

DIAMOND INNOVATIONS, INC, Signed and acknowledged in the presence of:

By: _____

_____ Manager

State of Ohio County of Franklin, SS:

The foregoing instrument was acknowledged before me this _____ day of ______, 2023

by ______, DIAMOND INNOVATIONS, INC., for and on behalf of said company.

Notary Public, State of Ohio

My Commission Expires _____



2130 QUARRY TRAILS DR 2ND FLOOR COLUMBUS, OHIO 43228 (614) 299–2999 (614) 299–2992 (Fax) www.EPFERRIS.com

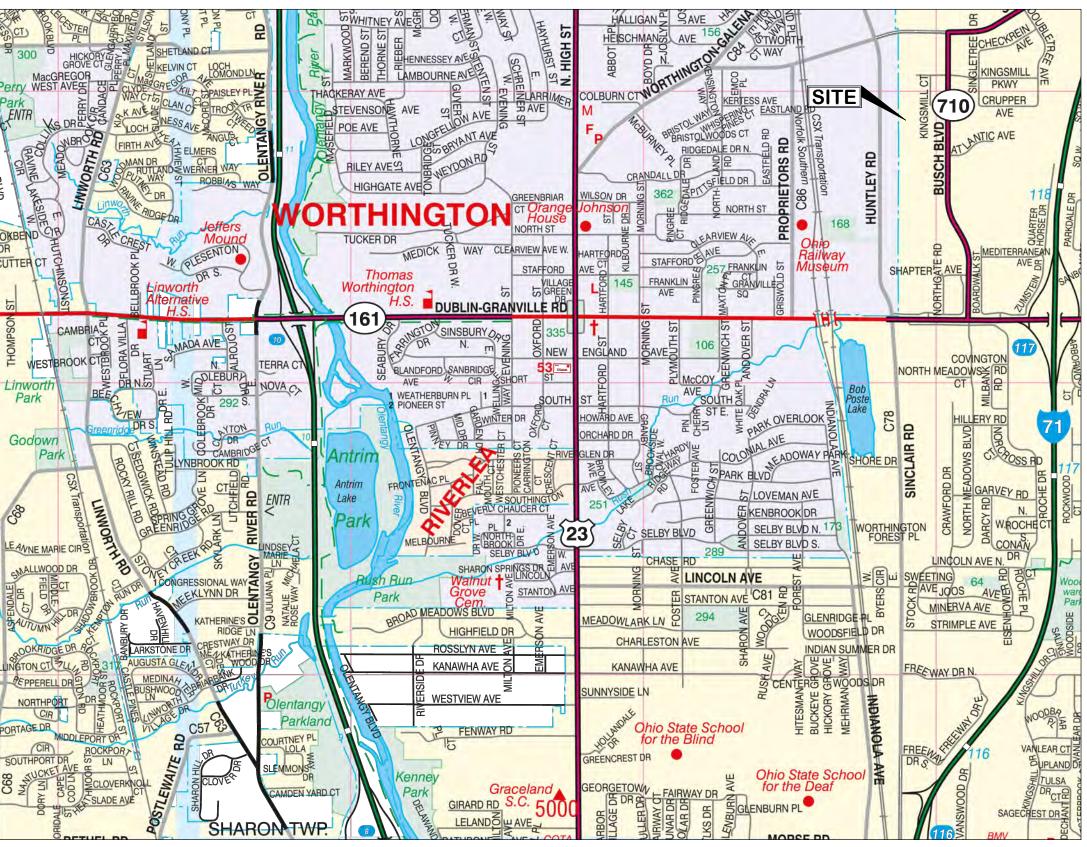




ILS DR 43228 (Fax)

HUNTLEY ROAD INDUSTRIAL SUBDIVISION

State of Ohio, County of Franklin, City of Worthington Quarter Section 3, Township 2 North, Range 18 West United States Military District



LOCATION MAP Not To Scale

SOURCE OF DATA

The sources of the recorded survey data referenced in the plan and text of this ply are records of the Recorder's Office, Franklin County, Ohio.

FLOOD ZONE

Said described property is located within an area having a Zone Designation of Zone X by the Secretary of Housing and Urban Development, on Flood Insurance Rate Map Nos. 39049C0157K, 39049C0159K 39049C0176K, and 39049C0178K panels all dated 06/17/2008.

MONUMENTS

All iron pins set are 5/8" rebar, 30" in length with yellow plastic cap.

All Mag Nails set are with brass survey marker with "EP FERRIS SURVEYOR 8797" inscribed on top.

All monuments found are in good conditions unless otherwise noted.

BASIS OF BEARINGS

Ohio State Plane Coordinate System, Ohio South Zone, NAD83 (2011) as determined by ODOT RTN observations, with the centerline of Huntley Road bearing South 02°54'32" West.

Transferred this ____ day of _____, 2023

Filed for record this ____ day of _____, 2023 at _____ .M.

Recorded this ____ day of _____, 2023

Plat Book _____, Page(s) _____

Auditor, Franklin County, Ohio

Deputy Auditor, Franklin County, Ohio

City Manager, Worthington, Ohio

Recorder, Franklin County, Ohio

Deputy Recorder, Franklin County, Ohio

CITY OF WORTHINGTON DRAWING NO. CU 04-2023 SUB 04-2023 DATE 10/24/2023

SURVEYOR'S CERTIFICATION

We do hereby certify that we have surveyed the attached premises and prepared the attached plat. The field survey on which the plat is based was completed on February 16, 2023.





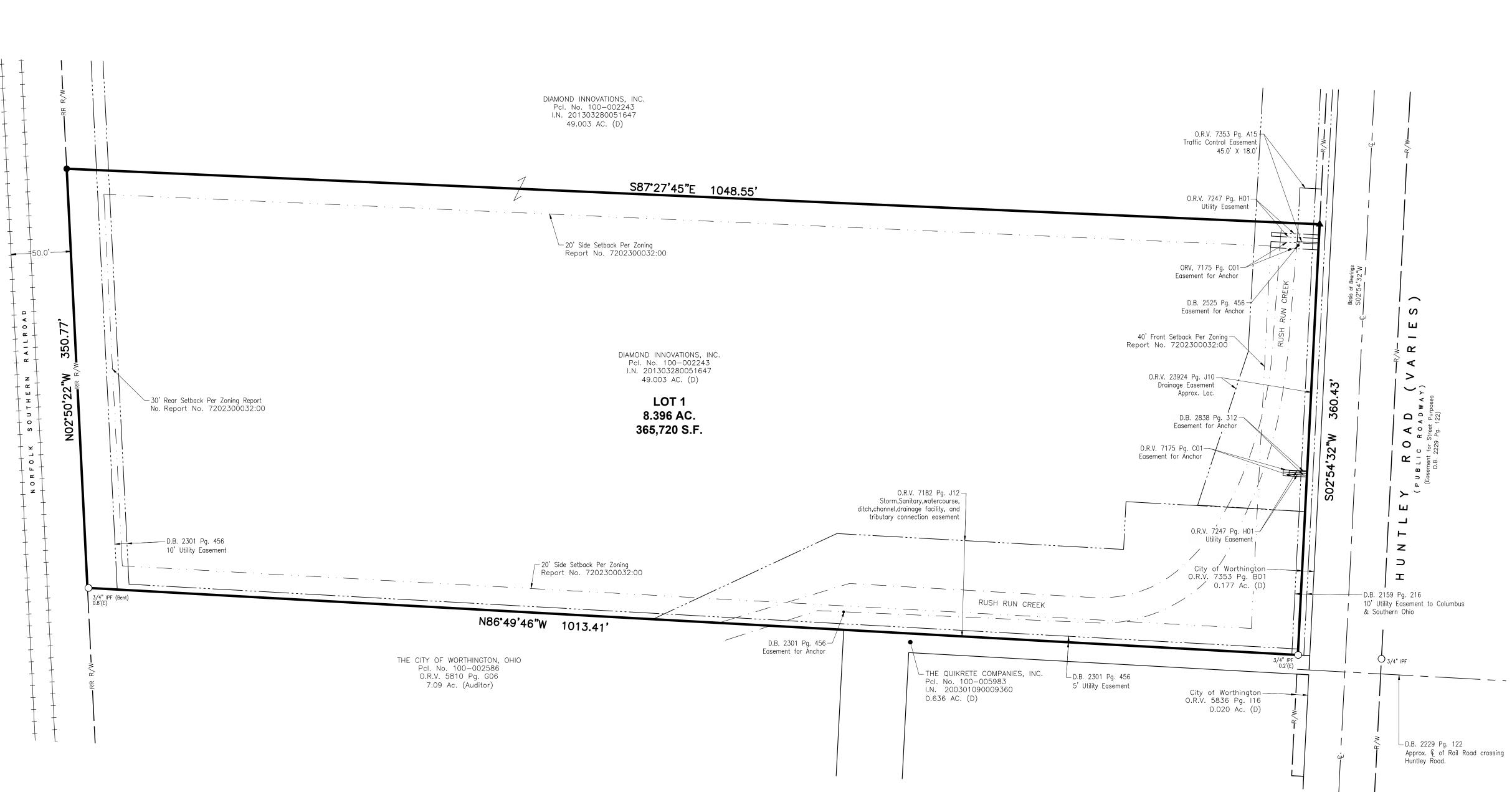
DRWN BY BAP CHK BY GGB DATE 4/4/23

708.888

NEW LOT ACREAGE BREAKDOWN

<u>New Lot 1</u> Part of PID: 100-002243 8.396 Ac.

L	EGEND
0	Iron Pin/Pipe Found
•	Iron Pin Set
	MAG Nail Set
RR R/W	Railroad Right-of-Way
R/W	Right-of-Way
Ф.	Centerline of Right-of-Way
· ·	Edge of Water
	Railroad Track
	Easement
· · ·	Setback
	Property Line

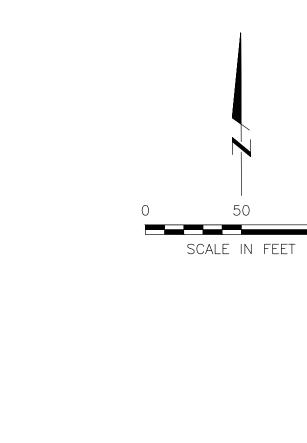




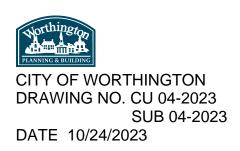
2130 QUARRY TRAILS DR 2ND FLOOR COLUMBUS, OHIO 43228 **.** (614) 299-2999 (614) 299-2992 (Fax) www.EPFERRIS.com

HUNTLEY ROAD INDUSTRIAL SUBDIVISION

State of Ohio, County of Franklin, City of Worthington Quarter Section 3, Township 2 North, Range 18 West United States Military District



100



2/2

			DRAWING INDEX
	SHEET NO.	DRAWING NO.	SHEET TITLE
н	1	C000	COVER SHEET
	2	C001	GENERAL NOTES
	3	C100	EXISTING CONDITIONS AND DEMOLITION PLAN
	4	C200	SITE LAYOUT PLAN
	5	C201	FIRE TRUCK ROUTE
	6	C202	VEHICLE TURNING EXHIBIT
_	7	C301	SITE GRADING PLAN
	8	C400	BUILDING ELEVATION
	9	C500	SITE UTILITY PLAN
	10	C602	STORM SEWER PROFILES
	11	C603	STORM SEWER PROFILES
	12	C604	STORM SEWER PROFILES
G	13	C604	DRY EXTENDED DETENTION BASIN DETAIL
	14	C605	SANITARY SEWER PROFILES
	15	C606	SANITARY SEWER PROFILES
	16	C700	SITE LIGHTING PLAN
	17	C701	SITE LIGHTING DETAILS
	18	C702	LANDSCAPE PLAN
	19	C800	CONSTRUCTION DETAILS
	20	C801	CONSTRUCTION DETAILS
	21	C902	EROSION & SEDIMENT CONTROL PLAN
	22	C903	EROSION & SEDIMENT CONTROL DETAILS
	23	C904	EROSION & SEDIMENT CONTROL DETAILS
	24	D1	STREAM CROSSING BRIDGE DETAILS
F	25	D2	STREAM CROSSING BRIDGE DETAILS
1	26	D3	STREAM CROSSING BRIDGE DETAILS
	27	D4	STREAM CROSSING BRIDGE DETAILS
	28	D5	STREAM CROSSING BRIDGE DETAILS
	29	D6	STREAM CROSSING BRIDGE DETAILS
	30	D7	STREAM CROSSING BRIDGE DETAILS
	31	D8	STREAM CROSSING BRIDGE DETAILS
	32	D9	STREAM CROSSING BRIDGE DETAILS
	33	D10	STREAM CROSSING BRIDGE DETAILS
	L	1	

OWNER/DEVELOPER:

THE QUIKRETE COMPANIES, INC. 6201 HUNTLEY ROAD COLUMBUS, OHIO 43229 PHONE: 614-885-4406 CONTACT: PHIL WEGMILLER EMAIL: PHIL.WEGMILLER@QUIKRETE.COM

ENGINEER/SURVEYOR:

CIVIL & ENVIRONMENTAL CONSULTANTS, INC. 250 OLD WILSON BRIDGE ROAD, SUITE 250 WORTHINGTON, OHIO 43085 PHONE: 614-540-6633 CONTACT: JAMES FIELDS EMAIL: JFIELDS@CECINC.COM

STANDARD SPECIFICATIONS:

THE CITY OF WORTHINGTON, TOGETHER WITH THE CITY OF COLUMBUS CONSTRUCTION AND MATERIALS SPECIFICATIONS (CMSC), LATEST EDITION INCLUDING ALL REVISIONS AND SUPPLEMENTS THERETO, SHALL GOVERN ALL CONSTRUCTION ITEMS THAT ARE PART OF THE PLANS UNLESS NOTED OTHERWISE.

ZONING INFORMATION:

THE SUBJECT PROPERTY IS LOCATED WITHIN THE I-2, GENERAL INDUSTRIAL DISTRICT AS DEFINED IN THE
CODIFIED ORDINANCES OF WORTHINGTON, PART ELEVEN, PLANNING AND ZONING CODE, TITLE FIVE, CHAPTER
1141. THE I-2 DISTRICT IS FOR AREAS FOR MANUFACTURING, SERVICE INDUSTRIES, PROCESSING OR
ASSEMBLY THAT EMIT NO OBJECTIONABLE OR HAZARDOUS ELEMENTS. PERMITTED USES INCLUDE:
MAINTENANCE AND ASSEMBLY, PLANT PRODUCTION AND WAREHOUSING.

SETBACKS:	HUNTLEY ROAD FRONT	SIDE	SIDE	REAR
BUILDING Parking Free standing sign	40' 5' 10'	20' *NS' 35'	20' *NS' 35'	30' *NS' 35'
*NS = NOT SPECIFIED				
MINIMUM LOT AREA: MINIMUM LOT WIDTH: MINIMUM % LOT COVER MAXIMUM BUILDING HEI MAXIMUM HEIGHT OF FI	GHT:	2 ACRES 200' 40% 3 STORIES OR 45 15'	, ,	
PARKING:				

PARKING SPACES REQUIRED - 1 SPACE FOR EACH 2 EMPLOYEES ON THE MAXIMUM WORKING SHIFT AND ONE SPACE FOR EACH VEHICLE USED IN THE BUSINESS AND BASED, FOR OPERATIONAL PURPOSES, UPON THE PREMISES.

MINIMUM PARKING SPACE SIZE:

171 SQ. FT.

BASIS OF BEARINGS:

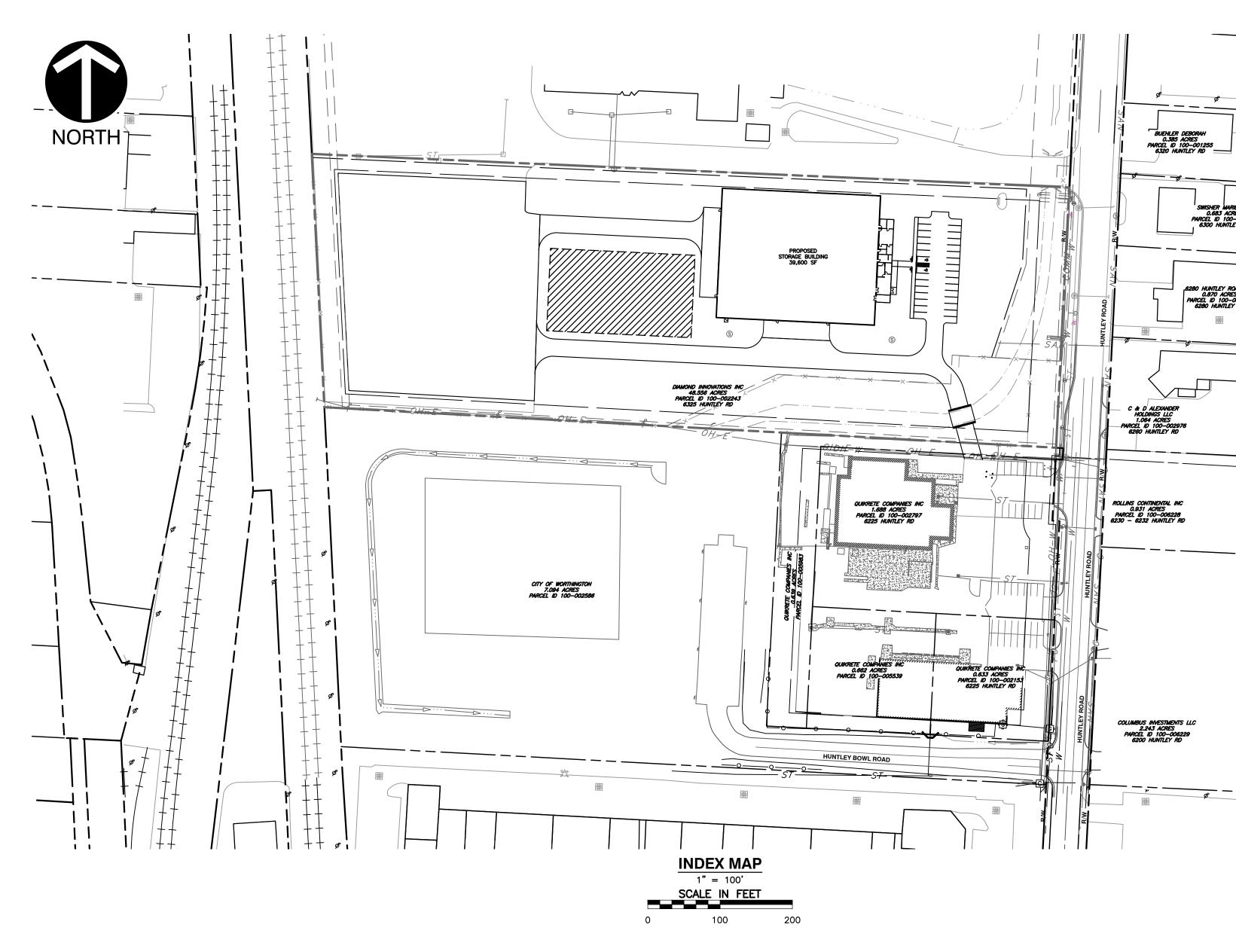
THE BEARINGS AS SHOWN HEREON ARE BASED UPON THE CENTERLINE BEARING OF HUNTLEY ROAD, BEING S 02° 53' 08" W, AS CALCULATED THROUGH GPS OBSERVATION OF FRANKLIN COUNTY SURVEY CONTROL MONUMENTATION, AND FOUND PROPERTY CORNER AND ROAD RIGHT-OF-WAY MONUMENTS. FRANKLIN COUNTY SURVEY CONTROL MONUMENTS OBSERVED FOR HORIZONTAL ALIGNMENT WERE STATIONS "WEST1" AND "WEST2", WITH THE BEARING OF THE LINE CONNECTING THE TWO STATIONS BEING N 81° 36' 00" W, AS ESTABLISHED BY THE FRANKLIN COUNTY ENGINEER'S OFFICE. BEARINGS ARE BASED UPON THE OHIO STATE PLANE COORDINATE SYSTEM, OHIO SOUTH ZONE, PER NAD 83 (NRS 2007).

REFERENCES:

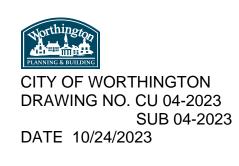
- . EXISTING TOPOGRAPHY SHOWN OBTAINED FROM SURVEYED PERFORMED BY CEC ON SEPTEMBER 27, 2019, AND FROM SURVEY INFORMATION PERFORMED BY P&L SYSTEMS, INC. PERFORMED ON SEPTEMBER 24, 2010 PROVIDED BY CLIENT.
- E. EXISTING BASE MAP INFORMATION OBTAINED FROM CEC FIELD RUN SURVEY PERFORMED ON SEPTEMBER 27, 2019, FROM P&L SYSTEMS, INC. FIELD RUN SURVEY PERFORMED ON SEPTEMBER 24, 2010, AND FROM FRANKLIN COUNTY AUDITOR ACCESSED SEPTEMBER 9, 2019. EXISTING LOT SPLIT PARCEL BOUNDARY INFORMATION PROVIDED TO CEC FROM E.P. FARRIS ON MAY 23, 2023.
- . SOILS INFORMATION IS PER USDA WEB SOIL SURVEY ACCESSED OCTOBER 15, 2019.
- . EXISTING UTILITIES SHOWN ARE BASED OFF OF CEC FIELD RUN SURVEY PERFORMED ON SEPTEMBER 27, 2019, P&L SYSTEMS, INC. FIELD RUN SURVEY PERFORMED ON SEPTEMBER 24, 2010, AND FRANKLIN COUNTY AUDITORS DATA.

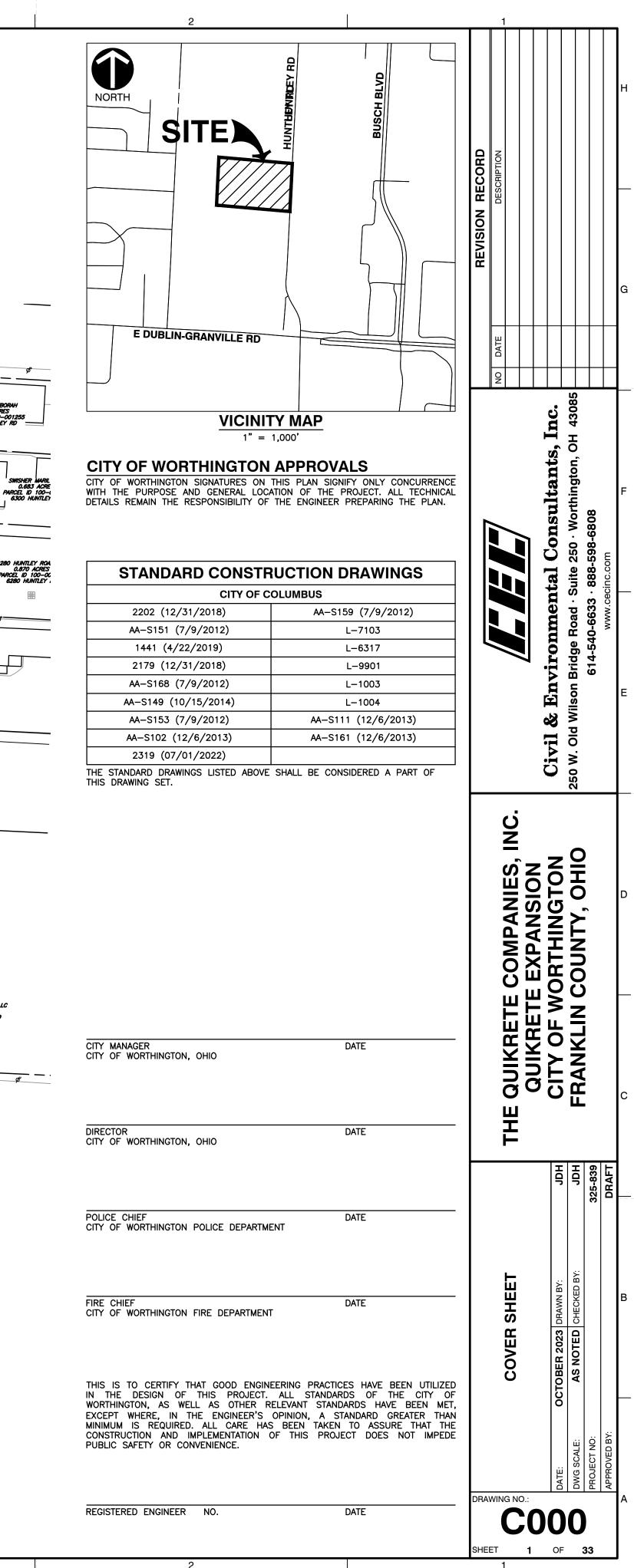


CITY OF WORTHINGTON, OHIO PRELIMINARY SITE IMPROVEMENT PLAN QUIKRETE EXPANSION









GENERAL NOTES

- 1. STANDARD SPECIFICATION THE REQUIREMENTS OF THE CITY OF WORTHINGTON, TOGETHER WITH THE CITY OF COLUMBUS CONSTRUCTION MATERIALS SPECIFICATIONS, LATEST EDITION, INCLUDING ALL SUPPLEMENTS THERETO, SHALL GOVERN ALL CONSTRUCTION ITEMS THAT ARE PART OF THE PLAN, UNLESS OTHERWISE
- 2. CHANGES TO PLANS ANY MODIFICATION TO THE SPECIFICATIONS OR CHANGES TO THE WORK AS SHOWN ON THESE DRAWINGS MUST HAVE PRIOR WRITTEN APPROVAL OF THE CITY OF WORTHINGTON ENGINEERING DFPARTMENT
- 3. PERMITS ALL NECESSARY PERMITS SHALL BE OBTAINED PRIOR TO THE START OF CONSTRUCTION. WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND CITY OF WORTHINGTON REQUIREMENTS.
- 4. SAFETY THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COMPLYING WITH ALL FEDERAL AND STATE SAFETY REQUIREMENTS.
- 5. EMERGENCY TELEPHONE NUMBERS THE CITY OF WORTHINGTON SHALL BE PROVIDED WITH EMERGENCY TWENTY-FOUR HOUR TELEPHONE NUMBERS PRIOR TO THE START OF CONSTRUCTION. IN THE EVENT THAT WORK OF AN IMMEDIATE NATURE MUST BE PERFORMED BY THE CITY, THE CITY WILL BE REIMBURSED FOR 2.5 TIMES THE COST OF LABOR AND MATERIALS.
- 6. RIGHTS-OF-WAY THE CONTRACTOR SHALL OBSERVE AND CONFORM TO THE SPECIFIC REQUIREMENTS OF ALL RIGHTS-OF-WAY, INCLUDING EASEMENTS, COURT ENTRIES, RIGHTS-OF-ENTRY OR OTHER ACTIONS FILED IN COURT, IN ACCORDANCE WITH THE CODE OF THE APPLICABLE GOVERNING AGENCY.
- 7. SIGNS, FENCES, LANDSCAPING ALL SIGNS, FENCES, SHRUBS, LANDSCAPING OR OTHER PHYSICAL FEATURES DISTURBED OR DAMAGED BY THE CONTRACTOR DURING THEIR WORK UNDER THIS PROJECT, SHALL BE RESTORED TO THEIR ORIGINAL CONDITION BY THE CONTRACTOR UNLESS APPROVED OTHERWISE IN WRITING BY THE CITY OF WORTHINGTON DIRECTOR OF ENGINEERING.
- 8. SURVEYING MARKERS ANY PROPERTY CORNERS, PERMANENT SURVEY MARKERS OR MONUMENTATION DISTURBED DURING CONSTRUCTION SHALL BE ESTABLISHED BY A SURVEYOR REGISTERED BY THE STATE OF OHIO BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND SURVEYORS.
- 9. EROSION AND SEDIMENT CONTROL EROSION AND SEDIMENT CONTROL SHALL BE REQUIRED DURING CONSTRUCTION ACTIVITIES PER ITEM 207 OF THE CURRENT EDITION OF THE OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIALS SPECIFICATIONS AND IN COMPLIANCE WITH THE OHIO ENVIRONMENTAL PROTECTION AGENCY'S RULES. MUD, SOIL, OR OTHER MATERIAL WHICH ENTER STORM OR SANITARY SEWERS SHALL BE CLEANED OUT IMMEDIATELY.
- 10. PROTECTION OF EXCAVATIONS EXCAVATION SHALL BE BACK FILLED OR PROTECTED BY ILLUMINATED BARRICADES OR FENCING WHEN WORK IS COMPLETED OR SUSPENDED.

STREETS AND TRAFFIC

- 1. TRAFFIC CONTROL DEVICES ALL TRAFFIC CONTROL DEVICES SHALL BE FURNISHED, ERECTED, MAINTAINED AND REMOVED IN ACCORDANCE WITH "THE OHIO MANUAL OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION AND MAINTENANCE OPERATIONS'
- 2. MUD AND DEBRIS ANY MUD TRACKED OR DEPOSITION OF BUILDING MATERIALS OR DEBRIS ON PUBLIC RIGHT-OF-WAY SHALL BE CLEANED OFF IMMEDIATELY. EVERY PRECAUTION SHALL BE TAKEN TO MINIMIZE THE RISK OF SUCH AN OCCURRENCE.

UTILITIES

- 1. UTILITIES PROTECTION SERVICE NOTIFICATION OHIO UTILITIES PROTECTION SERVICE SHALL BE CONTACTED AT 1-800-362-2864 AT LEAST TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION.
- 2. PROTECTION OF UTILITIES ALL UTILITIES AND APPURTENANCES WHETHER SHOWN ON THESE PLANS OR NOT, SHALL BE SUPPORTED AND PROTECTED WHILE EXCAVATIONS ARE OPEN.
- 3. FIELD TILE ALL FIELD TILE BROKEN DURING EXCAVATION SHALL BE REPLACED TO ORIGINAL CONDITION, UNLESS SPECIFICALLY DIRECTED BY THE CITY OF WORTHINGTON ENGINEERING DEPARTMENT.
- 4. USE OF FIRE HYDRANTS THE CONTRACTOR SHALL MAKE THE PROPER ARRANGEMENTS WITH THE CITY OF COLUMBUS. CITY OF WORTHINGTON FIRE DEPARTMENT AND THE CITY OF WORTHINGTON SERVICE DEPARTMENT FOR USE OF FIRE HYDRANTS AS A WATER SUPPLY.

CITY OF WORTHINGTON GENERAL NOTES

THE CITY OF COLUMBUS CONSTRUCTION AND MATERIALS SPECIFICATIONS (CMSC), 2018 EDITION INCLUDING ALL REVISIONS AND SUPPLEMENTS THERETO, SHALL GOVERN ALL CONSTRUCTION ITEMS THAT ARE PART OF THE PLANS UNLESS OTHERWISE NOTED.

ANY MODIFICATION TO THE WORK AS SHOWN ON THESE DRAWINGS MUST HAVE PRIOR WRITTEN APPROVAL BY THE CITY ENGINEER/ADMINISTRATOR, DIVISION OF DESIGN AND CONSTRUCTION, CITY OF COLUMBUS.

APPROVAL OF THIS PLAN IS CONTINGENT UPON ALL EASEMENTS REQUIRED FOR CONSTRUCTION OF THE IMPROVEMENT WORK, BE SECURED BY THE OWNER. **INSPECTION**

INSPECTION OF THIS PROJECT SHALL BE PROVIDED BY REPRESENTATIVES OF THE CITY OF WORTHINGTON.

<u>PERMITS</u>

UTILITIES

THE CONTRACTOR IS TO OBTAIN ALL NECESSARY PERMITS. AN ORIGINAL PERMIT WITH RED SIGNATURES SHALL BE KEPT ON SITE AT ALL TIMES.

THE IDENTITY AND LOCATION OF EXISTING UNDERGROUND UTILITIES LOCATED IN AND AROUND THE CONSTRUCTION AREA HAVE BEEN SHOWN AND LABELED ON THE PLANS BY USING INFORMATION PROVIDED BY THE RESPECTIVE UTILITY OWNERS. THE CITY OF COLUMBUS OR THE CONSULTING ENGINEER WILL NOT ASSUME RESPONSIBILITY FOR THE ACCURACY OF LOCATION OR DEPTH OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THE PLAN.

SUPPORT AND PROTECTION OF ALL UTILITIES AND APPURTENANCES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, COSTS FOR THE REPAIR AND RESTORATION OF EXISTING UTILITIES DAMAGED BY THE CONTRACTOR SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CITY OF COLUMBUS UTILITIES WILL ONLY LOCATE AND MARK MAIN LINE FACILITIES. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL SERVICE LATERAL AND LINES. COSTS ASSOCIATED WITH THE ABOVE WORK AND RESPONSIBILITIES SHALL BE INCLUDED IN THE PRICE BID FOR VARIOUS ITEMS.

PRIOR TO EXCAVATION, THE CONTRACTOR SHALL GIVE A 48-HOUR NOTICE TO THE OHIO UTILITIES PROTECTION SERVICE (OUPS) BY CALLING (800) 362-2764. A 48-HOUR NOTICE SHALL BE GIVEN TO THE OWNERS OF UNDERGROUND UTILITIES SHOWN ON THE PLANS WHO ARE NOT MEMBERS OF A REGISTERED UNDERGROUND PROTECTION SERVICE.

LISTED BELOW ARE UTILITY COMPANIES THAT HAVE FACILITIES LOCATED WITHIN THE WORK LIMITS OF THIS PROJECT AND SUBSCRIBE TO OUPS.

AMERICAN ELECTRIC POWER COLUMBUS CUSTOMER SERVICE BOULEVARD 850 TECH CENTER DRIVE GAHANNA, OHIO 43230 (800) 672-2231

NISOURCE 3550 JOHNNY APPLESEED COURT AVENUE COLUMBUS, OHIO 43231 (614) 818-2106

XO COMMUNICATIONS FIBER OPTICS 4449 EASTON WAY, #150 COLUMBUS, OHIO 43219

RANDALL SEKAVEC

(614) 629-3200 CITY OF COLUMBUS DIVISION OF WATER 910 DUBLIN ROAD

COLUMBUS, OHIO 43215 CHUCK TURNER (614) 645-7677 CITY OF WORTHINGTON DEPARTMENT OF ENGINEERING 380 HIGHLAND AVENUE

WORTHINGTON, OHIO 43085 DAN WHITED (614) 431-2425 150 E. GAY STREET, ROOM 7A

COLUMBUS, OHIO 43215 (614) 223-4982

TIME WARNER CABLE 1266 DUBLIN ROAD COLUMBUS, OHIO 43215 (614) 481-5000

CITY OF COLUMBUS DIVISION OF SEWAGE & DRAINAGE 910 DUBLIN ROAD COLUMBUS. OHIO 43215 (614) 645–7175

COLUMBIA GAS OF OHIO -290 W NATIONWIDE

COLUMBUS, OHIO 43215 (800) 344-4077

INSIGHT COMMUNICATIONS 3770 E. LIVINGSTON COLUMBUS, OHIO 43227 (614) 236-1200

TW TELECOM 250 OLD WILSON BRIDGE SUITE 130 WORTHINGTON, OHIO 43085 (614) 255-7000

CITY OF WORTHINGTON GENERAL NOTES (CONT.) EMERGENCY PROVISIONS

THE CONTRACTOR SHALL PROVIDE TO THE CITY OF WORTHINGTON PROJECT REPRESENTATIVE A LIST OF 24 HOUR EMERGENCY TELEPHONE NUMBERS (IN WRITING) PRIOR TO THE START OF CONSTRUCTION.

SECURING EXCAVATION & TRENCHES FOR NON-WORKING HOURS EXCAVATION AND TRENCHES OVER 24 INCHES DEEP SHALL BE SECURELY PLATED OR BACKFILLED DURING NON-WORKING HOURS.

CONSTRUCTION LIMITS

THE CONSTRUCTION LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. THE INSTALLATION AND OPERATION OF ALL TEMPORARY TRAFFIC CONTROL AND TEMPORARY TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS SHALL BE PROVIDED BY THE CONTRACTOR WHETHER INSIDE OR OUTSIDE OF THESE CONSTRUCTION LIMITS.

MISCELLANEOUS WORK ITEMS

THE CONTRACTOR SHALL PERFORM ALL ITEMS OF WORK CALLED FOR ON THE PLANS, FOR WHICH NO SPECIFIC METHOD OF PAYMENT IS PROVIDED. THE COST OF THESE ITEMS SHALL BE INCLUDED IN THE PRICE BID FOR THE PROJECT IMPROVEMENT.

BENCHMARKS AND SURVEY MONUMENTS

DO NOT DISTURB ANY FRANKLIN COUNTY CERTIFIED BENCHMARKS (VERTICAL AND/OR HORIZONTAL) LOCATED WITHIN THE WORKING LIMITS OF THE PROJECT. CONTRACTOR SHALL CONTACT THE FRANKLIN COUNTY SURVEY DEPARTMENT (614) 462-3026. PRIOR TO CONSTRUCTION. TO COORDINATE THE PROPER PROCEDURES FOR THE RESETTING, RELOCATION, OR REPLACEMENT OF ANY FRANKLIN COUNTY CERTIFIED BENCHMARK OR SURVEY MONUMENT

COMPACTION TESTING AT UTILITY CROSSINGS

PRIOR TO CONSTRUCTION OF THE PUBLIC ROADWAY, SOIL TESTS SHALL BE MADE ON ALL OPEN CUT UTILITY TRENCHES WHICH CROSS THE PROPOSED PAVEMENTS OR WHICH LIE SUCH THAT THE PROPOSED PAVEMENTS ARE LOCATED WITHIN ANY PART OF THE INFLUENCE LINE OF SAID TRENCH. WHERE SAID RESULTS INDICATE THAT THE TRENCH BACKFILL DOES NOT MEET THE COMPACTION REQUIREMENTS OF CMSC 912, ALL BACKFILL MATERIAL SHALL BE REMOVED. REPLACED. AND RE-TESTED UNTIL COMPLIANCE IS ACHIEVED.

WHEEL CHAIR RAMP TRAINING REQUIREMENT

ANY CONTRACTOR OR SUBCONTRACTOR INVOLVED IN DIRECTING, PLANNING, LAYOUT, AND/OR CONSTRUCTING WHEELCHAIR RAMPS OR OTHER AMENITIES REQUIRED UNDER THE "AMERICANS WITH DISABILITIES ACT OF 1990 (ADA)" SHALL HAVE PREVIOUSLY ATTENDED A CITY SPONSORED TRAINING SESSION TO BE PERMITTED TO EXECUTE WORK ON THIS PROJECT. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO, PROJECT SUPERINTENDENTS, SUPERVISORS AND FOREMEN. LABORERS ARE ENCOURAGED, BUT NOT REQUIRED, TO ATTEND. FOR MORE INFORMATION CONTACT THE CITY'S ADA SECTION AT 645-0285.

WATER

ALL WATER MAIN MATERIALS AND INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE CURRENT RULES AND REGULATIONS OF THE CITY OF COLUMBUS, DIVISION OF WATER. ALL CITY OF COLUMBUS, DIVISION OF WATER STANDARD DRAWINGS SHALL APPLY TO THE PROJECT, UNLESS OTHERWISE NOTED.

ALL BRASS FITTINGS ASSOCIATED WITH WATER WORK, INCLUDING REPAIRS TO THE EXISTING SYSTEM, SHALL CONFORM TO THE REVISED ALLOWABLE LEAD EXTRACTION LIMIT PER THE UPDATED NSF/ANSI 61 STANDARD. THE DIVISION OF WATER'S APPROVED MATERIALS LIST HAS BEEN UPDATED TO REFLECT THIS REQUIREMENT.

ALL WATER MAINS SHALL BE CLEANED AND FLUSHED, AND ANY WATER MAIN 12-INCH AND LARGER MUST BE PROPERLY PIGGED, IN ACCORDANCE WITH SECTION 801.13 OF THE CITY OF COLUMBUS, CONSTRUCTION AND MATERIAL SPECIFICATIONS.

ALL WATER MAINS SHALL BE PRESSURE TESTED IN ACCORDANCE WITH SECTION 801.14 OF THE CITY OF COLUMBUS, CONSTRUCTION AND MATERIAL SPECIFICATIONS. 150 PSI OF PRESSURE SHALL BE MAINTAINED FOR AT LEAST TWO HOURS 2 OF 4 VERSION 2015-2-27 IN ANY TESTED SECTION. THE CITY MAY NOT APPROVE ANY TEST LASTING LESS THAN TWO HOURS REGARDLESS OF THE AMOUNT OF LEAKAGE.

ALL WATER MAINS SHALL BE DISINFECTED IN ACCORDANCE WITH SECTION 801.15 OF THE CITY OF COLUMBUS CONSTRUCTION AND MATERIAL SPECIFICATIONS. SPECIAL ATTENTION IS DIRECTED TO APPLICABLE SECTIONS OF A.W.W.A. C-651.

ONLY ONE CONNECTION TO AN EXISTING WATER LINE IS PERMITTED BEFORE DISINFECTION OF A NEW WATER LINE HAS BEEN COMPLETED. ALL OTHER CONNECTIONS MUST BE MADE AFTER THE LINE HAS BEEN DISINFECTED.

ALL WATER METERS ASSOCIATED WITH THIS PROJECT SHALL BE INSTALLED INSIDE THE PROPOSED STRUCTURE UNLESS A METER PIT IS APPROVED BY THE ADMINISTRATOR OF THE DIVISION OF WATER, ALL METER PITS MUST BE APPROVED PRIOR TO THE ISSUING OF ANY SERVICE PERMITS AND MUST CONFORM TO STANDARD DRAWING L-7103 FOR 5/8" THROUGH 1" METERS, OR L-6317 A, B, C, D, & E FOR 1-1/2" OR LARGER METERS.

WATER SERVICE BOXES SHALL BE PLACED 1' FROM THE EDGE OF THE PROPOSED OR EXISTING SIDEWALK BETWEEN THE SIDEWALK AND THE CURB, OR 2 FEET INSIDE THE RIGHT-OF-WAY OR EASEMENT LINE WHEN NO SIDEWALK IS PRESENT OR PROPOSED. REFER TO STANDARD DRAWING L-9901 FOR ADDITIONAL INFORMATION.

MAINTAIN EIGHTEEN (18) INCHES VERTICAL AND TEN (10) FEET HORIZONTAL SEPARATION BETWEEN ANY SANITARY OR STORM SEWER PIPING AND ALL PROPOSED WATER MAINS.

WHEN CONTROLLED DENSITY FILL (ITEM 613) IS TO BE USED AS BACKFILL, THE CONTRACTOR SHALL PROVIDE SIZE NO. 57 CRUSHED CARBONATE STONE (CCS) 1 FOOT BELOW TO 1 FOOT ABOVE THE EXISTING WATER LINE.

WATER MAINS SHALL BE LAID A MINIMUM OF 4'-O" FROM PROPOSED SURFACE TO TOP OF WATER PIPE.

IN CASE OF CONFLICT IN GRADE BETWEEN WATER MAINS AND STORM SEWERS. THE WATER MAINS SHALL BE LOWERED DURING CONSTRUCTION TO MAINTAIN A MINIMUM OF 1.5' CLEARANCE BETWEEN PIPES.

AT ALL POINTS OF CROSSING STORM OR SANITARY SEWERS, THE BACKFILL SHALL BE OF GRANULAR MATERIAL BETWEEN THE DEEPER AND SHALLOWER PIPE. COST FOR COMPACTION OR GRANULAR MATERIAL SHALL BE INCLUDED UNDERPRICE BID FOR VARIOUS WATER MAIN ITEMS.

THE CONTRACTOR SHALL INCLUDE FOR PAYMENT UNDER PRICE BID FOR VARIOUS WATER IMPROVEMENT ITEMS. THE COST OF ALL TEES, BENDS, VALVE BOX EXTENSIONS, HEAVY DUTY BOX INSTALLATIONS, REDUCERS, METER BOX ADJUSTMENTS, AND HYDRANT EXTENSIONS.

CONTRACTOR SHALL WRAP ALL DUCTILE IRON PIPE WITH TUBE STYLE 8 MIL LINEAR LOW DENSITY POLYETHYLENE (LLDPE) FILM MADE FROM VIRGIN POLYETHYLENE ONLY (NO RECYCLE MATERIAL) PER A.W.W.A. C-105. THE COLOR SHALL BE BLACK WITH NOMINAL 2% CARBON BLACK UV INHIBITOR AND PRINTED PER THE A.W.W.A. C-105 STANDARD. INSTALLATION SHALL BE DONE IN ACCORDANCE WITH THE "POLYETHYLENE ENCASEMENT INSTALLATION GUIDE" WRITTEN BY THE DUCTILE IRON PIPE RESEARCH ASSOCIATION (DIPRA).

ALL LUMPS OF CLAY, MUD, CINDERS, ETC. ON THE PIPE SURFACE SHALL BE REMOVED BEFORE THE PIPE IS COVERED WITH POLYETHYLENE. WHEN LIFTING POLYETHYLENE-ENCASED PIPE USE A FABRIC TYPE SLING OR PADDED CABLE. JOINTS SHALL BE OVERLAPPED AND TAPED. FOLD EXCESS SLACK OVER THE TOP OF THE PIPE AND TAPE EVERY THREE (3) FEET. SMALL HOLES OR TEARS SHALL BE REPAIRED WITH A PIECE OF TAPE PLACED OVER THE HOLE. LARGE HOLES OR TEARS SHOULD BE REPAIRED BY TAPING ANOTHER PIECE OF POLYETHYLENE OVER THE HOLE. TO AVOID DAMAGE DURING BACKFILLING ALLOW ADEQUATE SLACK IN THE FILM TUBE AT JOINTS. BACKFILL MATERIAL SHALL BE FREE OF CINDERS, ROCKS, BOULDERS, NAILS, STICKS OR OTHER MATERIAL THAT WILL DAMAGE THE POLYETHYLENE SLEEVE.

APPURTENANCES SUCH AS BOLTED JOINTS, VALVES, SERVICE TAPS SHALL ALSO BE WRAPPED. FOR SERVICE TAPS. WRAP TWO/THREE LAYERS OF TAPE COMPLETELY AROUND THE POLYETHYLENE-ENCASED PIPE TO COVER THE AREA WHERE TAPPING MACHINE WILL CONTACT THE PIPE. INSTALL CORPORATION STOP DIRECTLY THROUGH THE TAPE AND POLYETHYLENE. WRAP COPPER SERVICE AT LEAST THREE FEET BACK FROM INSTALLATION WITH TAPE AND ADDITIONAL POLYETHYLENE FILM TO PREVENT ELECTROLYSIS.

ALL WORK NECESSARY TO FURNISH AND INSTALL THE POLYETHYLENE ENCASEMENT SHALL BE INCLUDED IN ITEM 80

WATER

IT SHALL BE UNLAWFUL FOR ANY PERSON TO PERFORM ANY WORK ON CITY OF COLUMBUS WATER MAIN SYSTEMS WITHOUT FIRST SECURING LICENSE TO ENGAGE IN SUCH WORK, AS INDICATED IN COLUMBUS CITY CODE SECTION 1103.02 AND 1103.06. THIS WORK INCLUDES ANY ATTACHMENTS, ADDITIONS TO OR ALTERATIONS IN ANY CITY SERVICE PIPE OR APPURTENANCES (INCLUDING WATER SERVICE LINES AND TAPS). THIS REQUIREMENT MAY BE MET BY UTILIZATION OF A SUBCONTRACTOR WHO HOLDS A CITY OF COLUMBUS WATER CONTRACTOR LICENSE OR A COMBINED WATER/SEWER CONTRACTOR LICENSE TO PERFORM THIS WORK. UTILIZATION OF A SUBCONTRACTOR MUST MEET THE LICENSING REQUIREMENTS OF CITY OF COLUMBUS BUILDING CODE. IN PARTICULAR SECTION 4114.119 AND 4114.529.

WATER (CONT.)

NO PERSON SHALL BEGIN CONSTRUCTION OR INSTALLATION OF A PUBLIC WATER MAIN UNTIL PLANS HAVE BEEN APPROVED BY THE STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY (OEPA).

APPROVAL ON THE PART OF THE CITY OF COLUMBUS IS GIVEN PURSUANT TO THE PROVISIONS OF THE WATER SERVICE AGREEMENT BETWEEN FRANKLIN COUNTY AND THE CITY OF COLUMBUS, OHIO ON MARCH 5, 2013 AND ALL SUBSEQUENT AMENDMENTS THEREOF.

THE CONTRACTOR SHALL OBTAIN THE PROPER HYDRANT PERMIT(S), AND PAY ANY APPLICABLE FEES, OR ANY APPROVED HYDRANT USAGE DEEMED NECESSARY FOR WORK UNDER THIS IMPROVEMENT. PERMITS MUST BE OBTAINED FROM THE RESPECTIVE HYDRANT OWNER (MUNICIPALITY OR TOWNSHIP) PRIOR TO CONTACTING THE DIVISION OF WATER PERMIT OFFICE (645-7330). THE CONTRACTOR SHALL ADHERE TO ALL RULES & REGULATIONS GOVERNING SAID PERMIT AND MUST HAVE THE ORIGINAL PERMIT ON SITE ANYTIME IN WHICH THE HYDRANT IS IN USE. PERMITS MAY BE OBTAINED BY ACCESSING HTTP://PORTAL.COLUMBUS.GOV/PERMITS/.

THESE DESIGN PLANS HAVE ASSUMED DUCTILE IRON AS THE BASELINE PIPE MATERIAL FOR DESIGN. ALL FITTINGS, DEFLECTIONS, AND OTHER DESIGN ELEMENTS ARE BASED OFF OF THE DUCTILE IRON STANDARDS. IF PVC PIPING IS TO BE UTILIZED IN THE PERMITTED LOCATIONS FOR CONSTRUCTION. A FORMAL PLAN REVISION SHALL BE SUBMITTED FOR REVIEW AND APPROVAL REGARDING ANY CHANGES TO THE DESIGN PLANS.

ALL WATER MAINS SHALL BE CLEANED AND FLUSHED. AND ANY WATER MAIN 12-INCH AND LARGER MUST BE PROPERLY PIGGED, IN ACCORDANCE WITH SECTION 801.15 OF THE CITY OF COLUMBUS, CONSTRUCTION AND MATERIAL SPECIFICATIONS

ALL WATER MAINS SHALL BE PRESSURE TESTED IN ACCORDANCE WITH SECTION 801.16 OF THE CITY OF COLUMBUS, CONSTRUCTION AND MATERIAL SPECIFICATIONS. THE CITY MAY NOT APPROVE ANY TEST LASTING LESS THAN TWO HOURS, REGARDLESS OF THE AMOUNT OF LEAKAGE.

ALL WATER MAINS SHALL BE DISINFECTED IN ACCORDANCE WITH SECTION 801.17 OF THE CITY OF COLUMBUS, CONSTRUCTION AND MATERIAL SPECIFICATIONS. SPECIAL ATTENTION IS DIRECTED TO APPLICABLE SECTIONS A.W.W.A. C-651. WHEN THE WATER MAINS ARE READY FOR DISINFECTION. THE CITY OF WORTHINGTON SHALL SUBMIT A WRITTEN REQUEST FOR CHLORINATION OF THE MAINS THAT NEED DISINFECTED, THREE (3) SETS OF "AS-BUILT" PLANS (FULL SIZE SHEETS ONLY), THE AS-BUILT SURVEY COORDINATES, WATER SERVICE REPORTS AND A PRESSURE TEST TO THE CITY OF COLUMBUS. DIVISION OF WATER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH THE DISINFECTION OF ALL WATER MAINS CONSTRUCTED UNDER THIS PLAN.

THE CONTRACTOR SHALL PROVIDE CHLORINATION TAPS AND BLOWOFFS AS PER THE REQUIREMENTS OF SECTION 801.17 OF THE CITY OF COLUMBUS, CONSTRUCTION AND MATERIAL SPECIFICATIONS. IN ADDITION TO THE BLOWOFF LOCATIONS NOTED IN 801.17. THE CONTRACTOR SHALL ALSO INSTALL BLOWOFFS AT EVERY 1,100 LINEAR FEET OF THE WARTE MAIN INSTALLED FOR SAMPLING.

ANY SECTION OF WATER MAIN THAT IS LONGER THAN 20 FEEET IN LENGTH SHALL BE CHLORINATED. HAND SWABBING METHODS WILL ONLY BE PERMITTED FOR SECTIONS LESS THAN OR EQUAL TO 20 FEET IN LENGTH. USE UNSCENTED HOUSEHOLD BLEACH FOR HAND SWABBING OF PIPE AND FITTINGS. PLEASE NOTE THAT CUT-IN-TEES. SLEEVES, AND ANY OTHER REQUIRED FITTINGS OR PIPING SHALL BE TAKEN INTO ACCOUNT AND ARE INCLUDED IN THE TOTAL LENGTH OF THE SECTION (CUT TO CUT).

ONLY ONE CONNECTION TO AN EXISTING WATER MAIN IS PERMITTED BEFORE DISINFECTION OF A NEW WATER MAIN HAS BEEN COMPLETED. ALL OTHER CONNECTIONS MUST BE MADE AFTER THAT MAIN HAS BEEN DISINFECTED

WHERE INDICATED ON THE PLANS, THE EXISTING WATER MAIN SHALL BE ABANDONED; AND ANY EXISTING WATER SERVICE LINES OFF THIS MAIN SHALL BE TRANSFERRED TO THE NEW WATER MAIN. PRIOR TO ABANDONMENT OF THE EXISTING WATER MAIN, THE PROPOSED WATER MAIN SHALL BE PIGGED (IF REQUIRED), TESTED, CHLORINATED AND PUT IN SERVICE AND THEN THE EXISTING WATER SERVICE LINES SHALL BE TRANSFERRED. THE CONTRACTOR SHALL MAINTAIN WATER SERVICE TO ALL PROPERTIES DURING CONSTRUCTION OF THE NEW WATER MAIN AND SHALL NOTIFY ALL CUSTOMERS AFFECTED BY THE TRANSFER OF WATER SERVICE LINES. TO ENSURE THAT ALL EXISTING WATER SERVICES LINES ARE TRANSFERRED TO THE NEW MAIN. NO WATER MAIN SHALL BE ABANDONED UNTIL THE NEW WATER MAIN HAS BEEN PUT IN SERVICE; ALL AFFECTED WATER SERVICE LINES HAVE BEEN TRANSFERRED; AND THE EXISTING WATER MAIN TO BE ABANDONED HAS BEEN SHUT DOWN FOR 24 HOURS. ALL VISIBLE VALVE BOXES, FIRE HYDRANTS, AND WATER TAP BOXES ON THE WATER MAIN TO BE ABANDONED, WHICH WILL NO LONGER BE IN SERVICE. SHALL BE REMOVED. ALL WATER MAINS TO BE ABANDONED SHALL BE MADE WATER TIGHT. THE REQUIRED SURFACE RESTORATION SHALL BE PAID FOR UNDER THE APPROPRIATE BID ITEM(S).

ALL WATER METERS ASSOCIATED WITH THIS PROJECT SHALL BE INSTALLED INSIDE THE PROPOSED STRUCTURE UNLESS A METER PIT IS APPROVED BY THE ADMINISTRATOR OF THE DIVISION OF WATER. ALL METER PITS MUST CONFORM TO STANDARD DRAWING L-7103 FOR 5/8" THROUGH 1" METERS OF L-6317 A, B, C, D, & E FOR 1-1/2" OR LARGER METERS.

NO WATER SERVICE CONNECTION PERMITS SHALL BE ISSUED OR CONNECTION MADE TO ANY WATER TAPS UNTIL WATER MAINS HAVE BEEN DISINFECTED BY THE CITY OF COLUMBUS, DIVISION OF WATER. WHEN A 3-INCH OR LARGER TAP IS TO OCCUR ON 20-INCH OR LARGER WATER MAIN, THE CONTRACTOR SHALL NOTIFY THE DIVISION OF WATER OPERATIONS CONTROL CENTER AT (614) 645-7168 TWENTY-FOUR (34) HOURS IN ADVANCE OF PERFORMING THE TAP.

WATER TAP BOXES SHALL BE PLACED 1' FROM THE EDGE OF THE PROPOSED OR EXISTING SIDEWALK BETWEEN THE SIDEWALK AND THE CURB. OR 2 FEET INSIDE THE RIGHT-OF-WAY OR EASEMENT LINE WHEN NO SIDEWALK IS PRESENT OR PROPOSED. REFER TO STANDARD DRAWING L-9901 FOR ADDITIONAL INFORMATION.

WHEN PERFORMING WATER SERVICE LINE TRANSFERS, THE CONTRACTOR SHALL FLUSH THE WATER TAP PRIOR TO CONNECTING TO THE EXISTING SERVICE LINE.

WHEN CROSSING THE EXISTING WATER MAIN, AND LOW STRENGTH MORTAR (ITEM 613) IS TO BE USED AS THE CONTRACTOR SHALL PROVIDE SIZE NO. 57 CRUSHED CARBONATE STONE (CCS) 1 FOOT BELO TO 1 FOOT ABOVE THE EXISTING WATER MAIN.

IF DURING EXCAVATION, THE POLYETHYLENE ENCASEMENT ON THE EXISTING WATER MAIN BECOMES DAMAGED, THE CONTRACTOR SHALL REPAIR THE POLYETHYLENE ENCASEMENT PER MANUFACTURER'S SPECIFICATIONS AND DOW STANDARD DRAWINGS L-1003 AND L-1004, AT THEIR OWN EXPENSE. ENSURE THAT THE ENTIRE EXPOSED AREA IS COVERED WITH NEW POLYETHYLENE ENCASEMENT AND SECURELY TAPED, PRIOR TO BACKFILLING.

CONTRACTOR SHALL ADHERE TO THE REQUIREMENTS OF THE OHIO ADMINISTRATIVE CODE CHAPTER 3745-83-02 WATER DISRUPTION OF SERVICE RULE. EXCAVATE PITS SUFFICIENTLY BELOW THE AREA TO BE CONNECTED TO IN ORDER TO MAINTAIN WATER LEVELS BELOW THE WATER MAIN. IF WATER FROM THE PIT ENTERS THE EXISTING MAIN, CONTACT DIVISION OF WATER IMMEDIATELY. ENSURE THAT SUFFICIENTLY SIZE PUMPS ARE UTILIZED TO REMOVE WATER FROM THE TRENCH AND BACKUP PUMPS ARE KEPT ON SITE FOR REDUNDANCY.

"ITEM SPECIAL - SURVEY COORDINATES" SHALL INCLUDE ALL MATERIAL, EQUIPMENT, AND LABOR NECESSARY TO OBTAIN HORIZONTAL AND VERTICAL (NORTHING, EASTING, AND CENTERLINE OF PIPE ELEVATION) SURVEY COORDINATES FOR THE WATER MAIN IMPROVEMENTS. THE SURVEY COORDINATES SHALL BE OBTAINED FROM THE COMPLETED WATER MAIN CONSTRUCTION AND SHALL INCLUDE VALVES. TEES, CROSSES, BENDS, HORIZONTAL DEFLECTIONS, PLUGS, REDUCERS, TAPPING SLEEVES, FIRE HYDRANTS, AIR RELEASES, CURB STOPS, TRACER WIRE BOXES, AND CASING PIPE TERMINI, ADDITIONAL SURVEY COORDINATES ARE REQUIRED ON THE WATER MAIN EVERY 200 FEET WHERE NO FITTING OR OTHER WATER MAIN STRUCTURE IS BEING INSTALLED WITHIN THAT LENGTH OF THE IMPROVEMENT.

ALL SURVEY COORDINATES SHALL BE REFERENCED TO THE APPLICABLE COUNTY ENGINEER'S MONUMENTS, AND SHALL BE BASED ON THE NORTH AMERICAN DATUM OF 1983 (NAD 83) WITH THE (NSRS2011) ADJUSTMENT. WITH FURTHER REFERENCE MADE TO THE OHIO STATE PLAN SOUTH COORDINATE SYSTEM (GRID), SOUTH ZONE, WITH ELEVATIONS BASED ON NAVD 88 DATUM. ALL COORDINATES (NORTHING, EASTING, AND CENTERLINE OF PIPE ELEVATION) SHALL BE REFERENCED TO THE NEAREST HUNDRETH (N XXXXXX.XX, E XXXXXX.XX, C/L ELEV. XXX.XX). ALL SURVEY COORDINATES SHALL BE ACCURATE TO WITHIN 1.0 FOOT HORIZONTAL AND A TENTH OF A FOOT (0.10) OR LESS VERTICAL.

THE COORDINATES SHALL BE DOCUMENTED TO THE MUNICIPALITY ENGINEER OR DESIGNATED REPRESENTATIVE IN DIGITAL SPREADSHEET FORM AND SHALL INCLUDE THE APPLICABLE ITEM, STATION, NORTHING, EASTING, AND CENTERLINE OF PIPE ELEVATION. COORDINATES SHALL BE SUBMITTED TO THE MUNICIPALITY ENGINEER OR DESIGNATED REPRESENTATIVE ON A BI-WEEKLY BASIS. COORDINATES SHALL ALSO BE REQUIRED TO BE SUBMITTED TO THE DIVISION OF WATER AS PART OF THE REQUEST FOR CHLORINATION.

LUMP SUM PAYMENT IS FULL COMPENSATION FOR ALL WORK INVOLVED IN OBTAINING AND DOCUMENTING THE SURVEY COORDINATES AS DESCRIBED IN THIS SPECIFICATION.

SEWERS AND DRAINS

PRIOR TO THE CONSTRUCTION OF THE STREETS, SOIL TESTS SHALL BE MADE ON ALL SANITARY SEWER AND DESIGNATED STORM SEWER TRENCHES WHICH CROSS THE PROPOSED PAVEMENTS OR WHICH LIE SUCH THAT THE PROPOSED PAVEMENTS ARE LOCATED WITHIN ANY PORT OF THE INFLUENCE LINE OF SAID TRENCH. WHERE SAID RESULTS INDICATE THAT THE TRENCH BACKFILL DOES NOT MEET THE COMPACTION REQUIREMENTS OF 912.03 OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS, ALL BACKFILL SHALL BE REMOVED, REPLACED, AND RE-TESTED UNTIL COMPACTION MEETS SAID REQUIREMENTS OF 912.03.

OPEN CUT METHODS FOR CONSTRUCTION OF UNDERGROUND UTILITIES UNDER PAVEMENT WILL NOT BE PERMITTED FOR A PERIOD OF THREE YEARS AFTER PERMANENT PAVEMENT IMPROVEMENT HAS BEEN ACCEPTED CITY OF WORTHINGTON FOR MAINTENANCE. DURING THIS INTERIM PERIOD ANY AND ALL UNDERGROUND UTILITY CROSSINGS WILL BE INSTALLED BY TUNNELING OR BY BORING AND JACKING, NO EXCEPTIONS.

THE DESIGN ENGINEER SHALL NOT BE RESPONSIBLE FOR THE MEANS, METHODS, PROCEDURES, TECHNIQUES, OR SEQUENCES OF CONSTRUCTION NOT SPECIFIED HEREIN, NOR FOR SAFETY ON THE JOB SITE, NOR SHALL THE DESIGN ENGINEER BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

SHALL BE FILLED WITH

<u>SIEVE SIZE</u> INCH NO. 8

OR. CONTROL DENSITY FILL, AS PER CITY OF COLUMBUS ITEM 912.02, SEWERS DEEPER THAN 15 FEET, AND CONSTRUCTED BETWEEN MAY 1 AND NOVEMBER 15. MAY USE APPROVED MATERIAL EXCAVATED FROM THE TRENCH FOR THE TOP HALF OF THE TRENCH BACKFILL PROVIDED THE OWNER HIRES AN APPROVED TESTING LABORATORY TO TEST THE MATERIAL AND CERTIFY TO THE CITY THAT THE COMPACTION MEETS THE REQUIREMENTS OF ITEM 911, COMPACTED BACKFILL. ELSEWHERE WITHIN RIGHT-OF- WAY, SHALL BE AS PER ITEM 911 (STORM SEWER) OR ITEM 801.09 (WATER MAIN).

LOCATIONS. SUPPORT. PROTECTION AND RESTORATION OF ALL SEWER LINES, SERVICES AND APPURTENANCES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. IF A FACILITY IS DAMAGED BY THE CONTRACTOR, ALL REPAIRS SHALL BE MADE IN ACCORDANCE WITH THE CITY OF COLUMBUS CONSTRUCTION AND MATERIAL SPECIFICATIONS AND AT CONTRACTOR'S EXPENSE.

THE CONTRACTOR SHALL ENSURE THERE IS A SURVEYOR'S LEVEL AND ROD ON THE PROJECT FOR USE IN PERFORMING GRADE CHECKS WHENEVER SEWER LINE STRUCTURES OR PIPE ORE BEING INSTALLED. THE CONTRACTOR SHALL MAKE THIS EQUIPMENT AVAILABLE FOR USE AND ASSIST THE CITY INSPECTOR IN PERFORMING GRADE CHECKS WHEN REQUESTED BY THE INSPECTOR. THE INSPECTOR WILL MAKE ALL REASONABLE ATTEMPTS TO CONFINE REQUESTS FOR ASSISTANCE IN PERFORMING GRADE CHECKS TO TIMES CONVENIENT TO THE CONTRACTOR.

IMMEDIATELY AFTER PLACEMENT OF ANY CONDUITS. THE CONTRACTOR SHALL CONSTRUCT THE END TREATMENTS REQUIRED BY THE PLANS AT BOTH THE OUTLET AND INLET ENDS. THIS SHALL INCLUDE HEADWALLS, CONCRETE, RIP RAP, ROCK CHANNELS PROTECTION, SODDING, POURING BOTTOMS, MUDDING LIFT HOLES, ECT.

RESPONSIBILITY TO ENSURE CONSTRUCTION TO THE PLAN GRADE.

THE PONDING OR DETENTION AREAS SHOWN ON THE PLANS ARE PART OF A STORM SEWER FACILITIES. THE DEVELOPER/OWNER WILL ASSUME THE RESPONSIBILITY TO MAINTAIN THE PONDING OR DETENTION AREAS SO AS NOT TO REDUCE THE WATER STORAGE AREAS. IF THE OWNER DOES NOT MAINTAIN THE PONDING AND DETENTION AREAS, THE PLAN WILL BECOME VOID AND THE CITY WILL PLUG THE SEWER AT THE OUTLET.

SEWERS AND DRAINS

COMPACTED GRANULAR BACKFILL, AS PER CITY OF COLUMBUS ITEM 912, IS REQUIRED FOR ALL TRENCHES UNDER PAVEMENT WITHIN PUBLIC RIGHT-OF-WAY OR WHERE THE FRONT FACE OF TRENCHES, PARALLELING THE PAVEMENT, IS WITHIN 24" OF THE FACE-OF-CURB OR EDGE-OF-PAVEMENT. THE MATERIAL SHALL EXTEND LATERALLY 36" BEYOND FACE-OF-CURB OR EDGE-OF-PAVEMENT FOR TRENCHES WHICH CROSS THE PAVEMENT. FOR SANITARY SEWERS AND P.V.C. STORM SEWERS, THE FIRST 36" OF BACKFILL ABOVE THE TOP-OF-PIPE

A MATERIAL MEETING THE FOLLOWING GRADATION: <u>% PASSING (BY WEIGHT)</u>

3–5%

UNLESS OTHERWISE INDICATED ON THE PLAN, STORM SEWERS SHALL BE CONSTRUCTED WITH TYPE I BEDDING IN ACCORDANCE WITH ITEM 901 OF THE SPECIFICATIONS.

IF CONTRACTOR CHOOSES TO USE PLASTIC PIPE IN LIEU OF CONCRETE PIPE AS PER ITEM 901, ALL PLASTIC SEWER LINES SHALL BE DEFLECTION TESTED AFTER INSTALLATION, IN CONFORMANCE WITH THE REQUIREMENTS OF ITEM 901 OF THE CITY OF COLUMBUS CONSTRUCTION AND MATERIAL SPECIFICATIONS, CURRENT VERSION.

THESE CHECKS WILL BE PERFORMED TO ENSURE THE FOLLOWING:

PROPER PLACEMENT OF EACH STRUCTURE PROPER INSTALLATION OF INITIAL RUNS OF PIPE FROM A STRUCTURE.

GRADE, AFTER ON OVERNIGHT OR LONGER SHUTDOWN. GRADE, AT ANY OTHER TIME THE INSPECTOR HAS REASON TO QUESTION GRADE OF INSTALLATION.

GRADE CHECKS PERFORMED BY THE CITY INSPECTOR IN NO WAY RELIEVE THE CONTRACTOR OF THE ULTIMATE

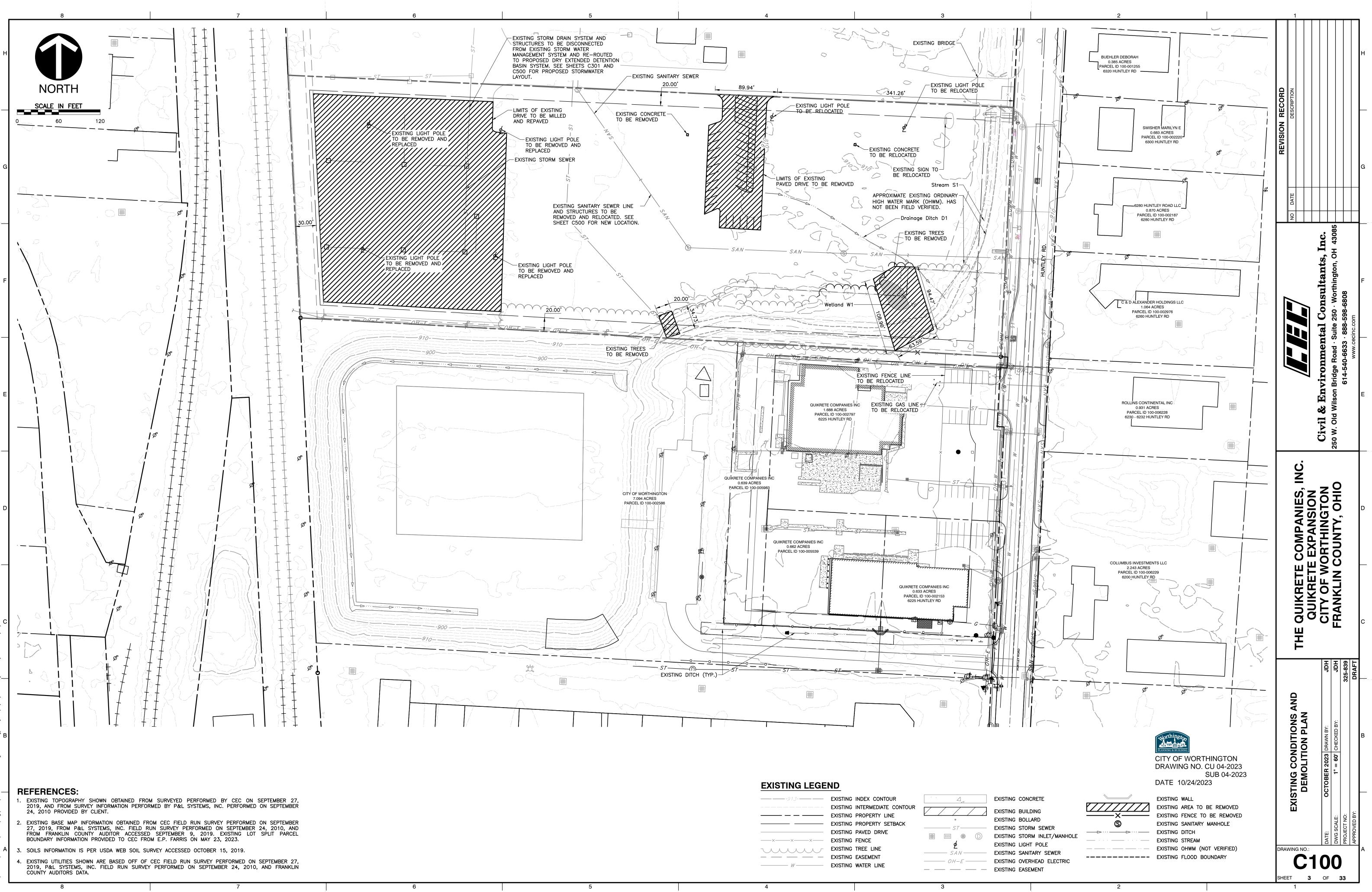
AS A CONDITION OF FINAL ACCEPTANCE, THE PROPERTY OWNER SHALL BE RESPONSIBLE FOR PROVIDING AS-BUILT SURVEYS TO VERIFY THE FINAL GRADES AND ELEVATIONS OF STORMWATER DETENTION BASINS AND WETLANDS THAT ARE TO BE OWNED AND OPERATED BY THE CITY. AT THE COMPLETION OF HOME CONSTRUCTION, THE OWNER/DEVELOPER SHALL FIELD SURVEY THE STORMWATER DETENTION FACILITY TO VERIFY THAT THE FACILITIES ARE CONSTRUCTED ACCORDING TO APPROVED PLANS. SHOULD A DISCREPANCY BETWEEN THE PLANS AND CONSTRUCTED GRADES EXIST, THE DESIGN STORAGE OF THE DETENTION FACILITY SHALL BE RESTORED BY THE OWNER/DEVELOPER AS DIRECTED BY THE CITY OF COLUMBUS.

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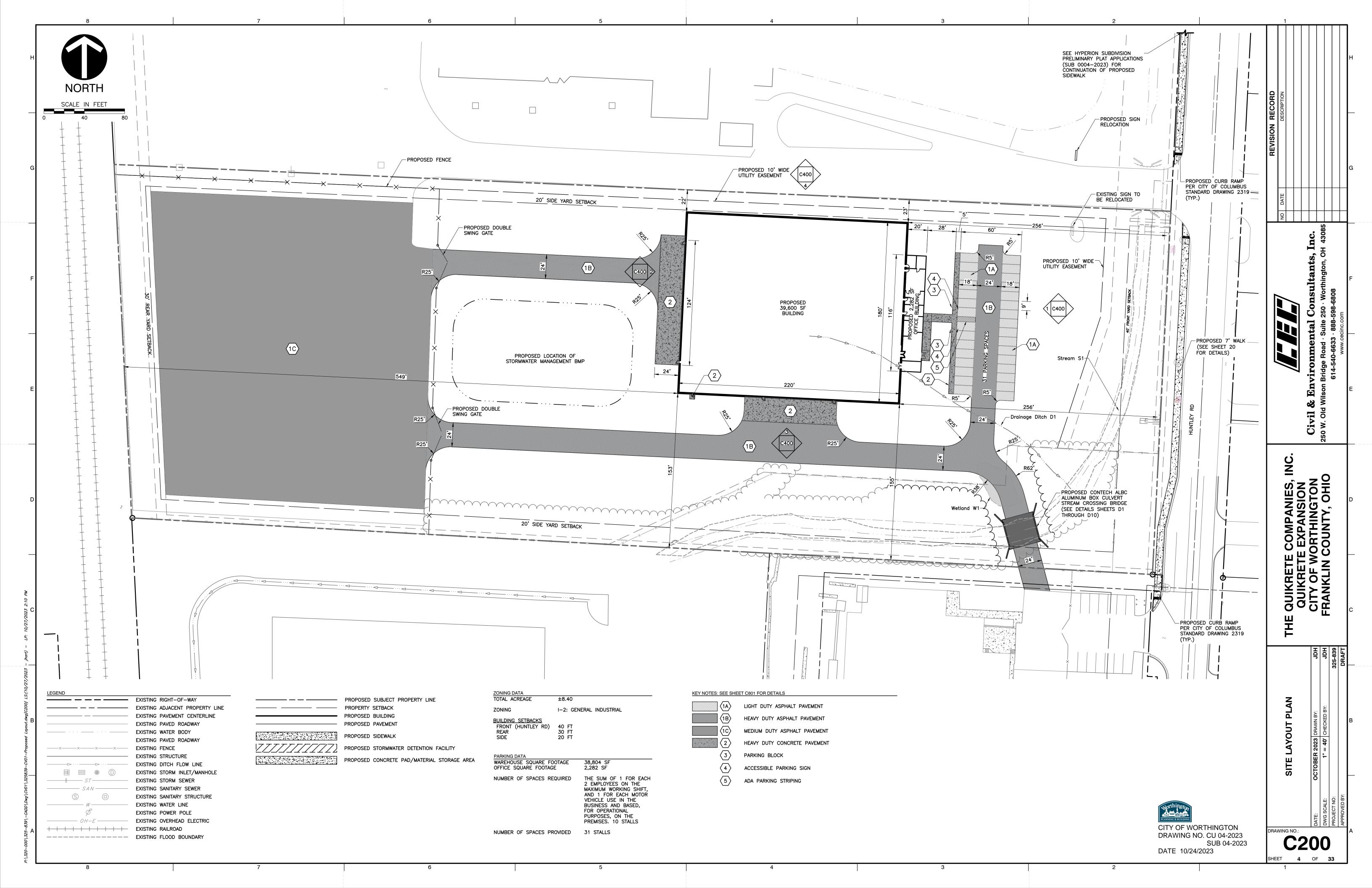
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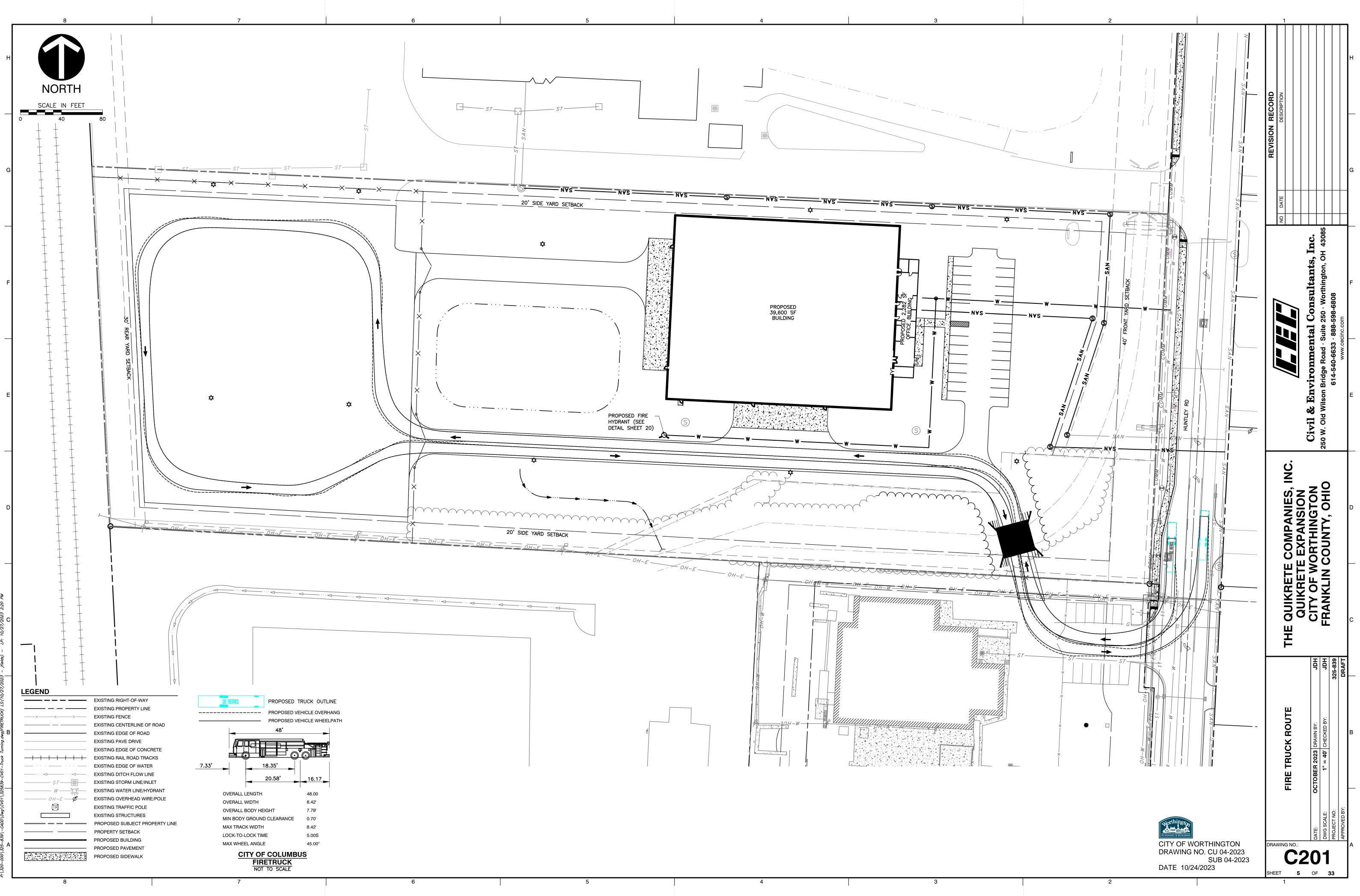


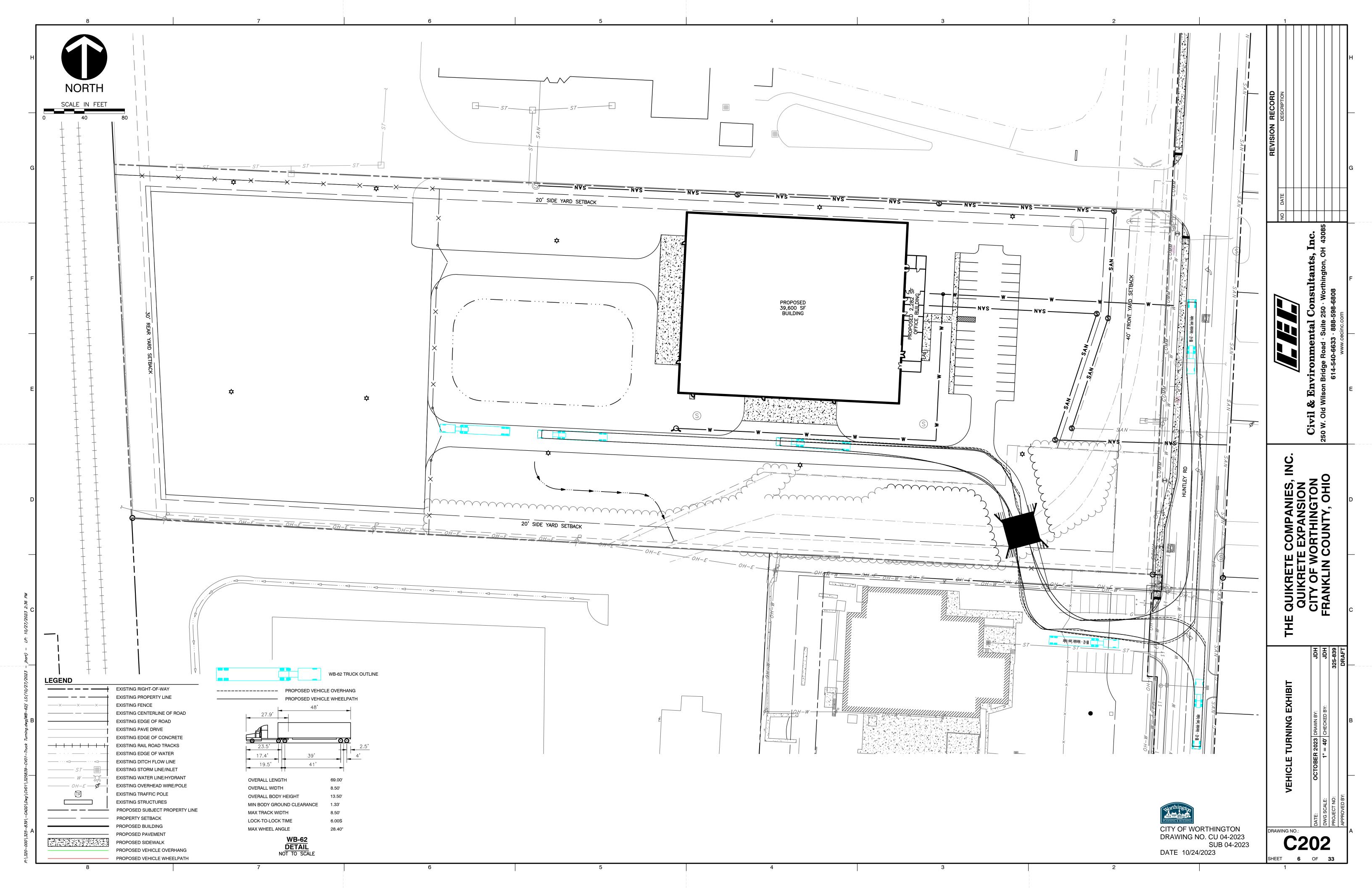
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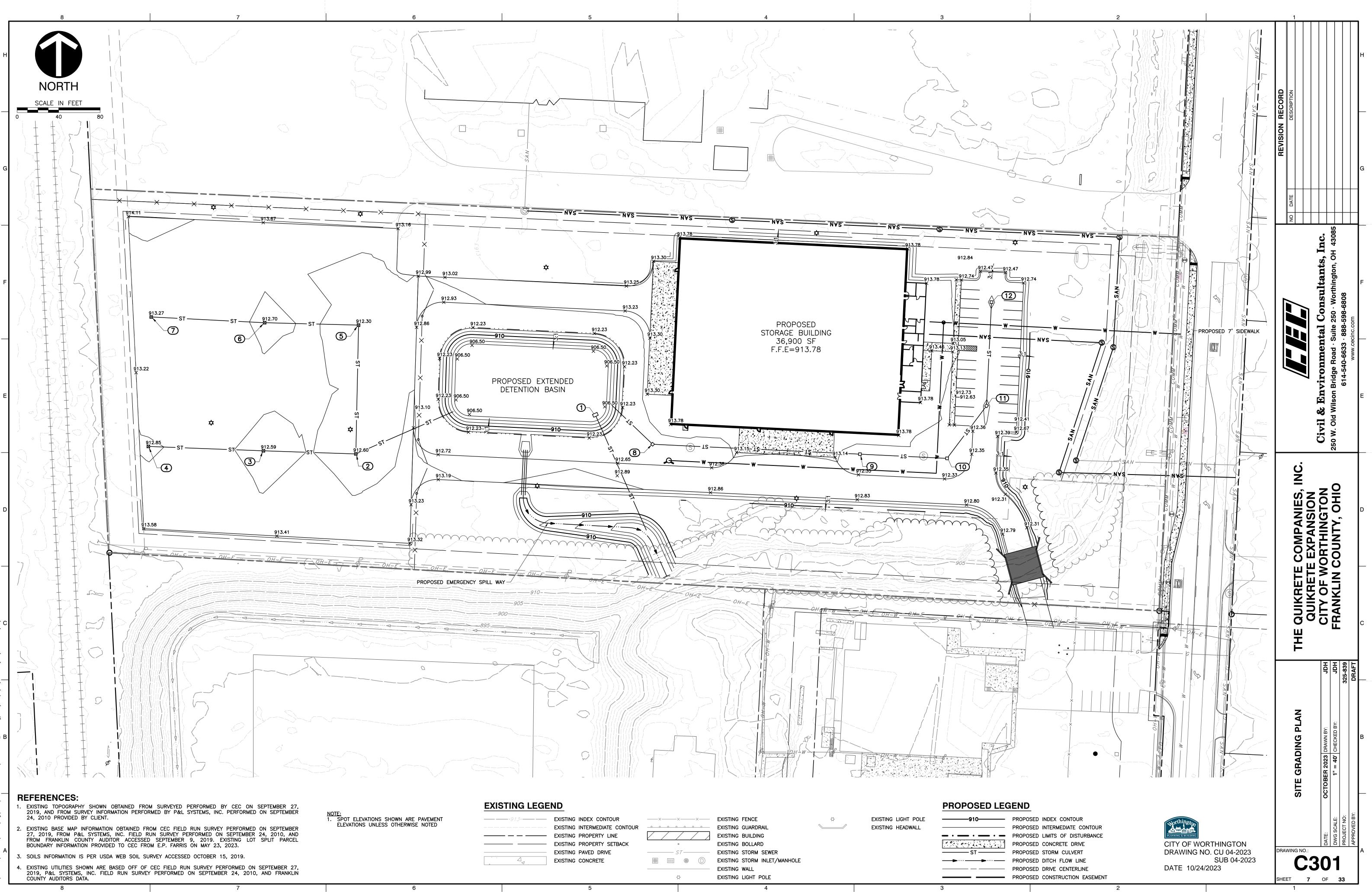


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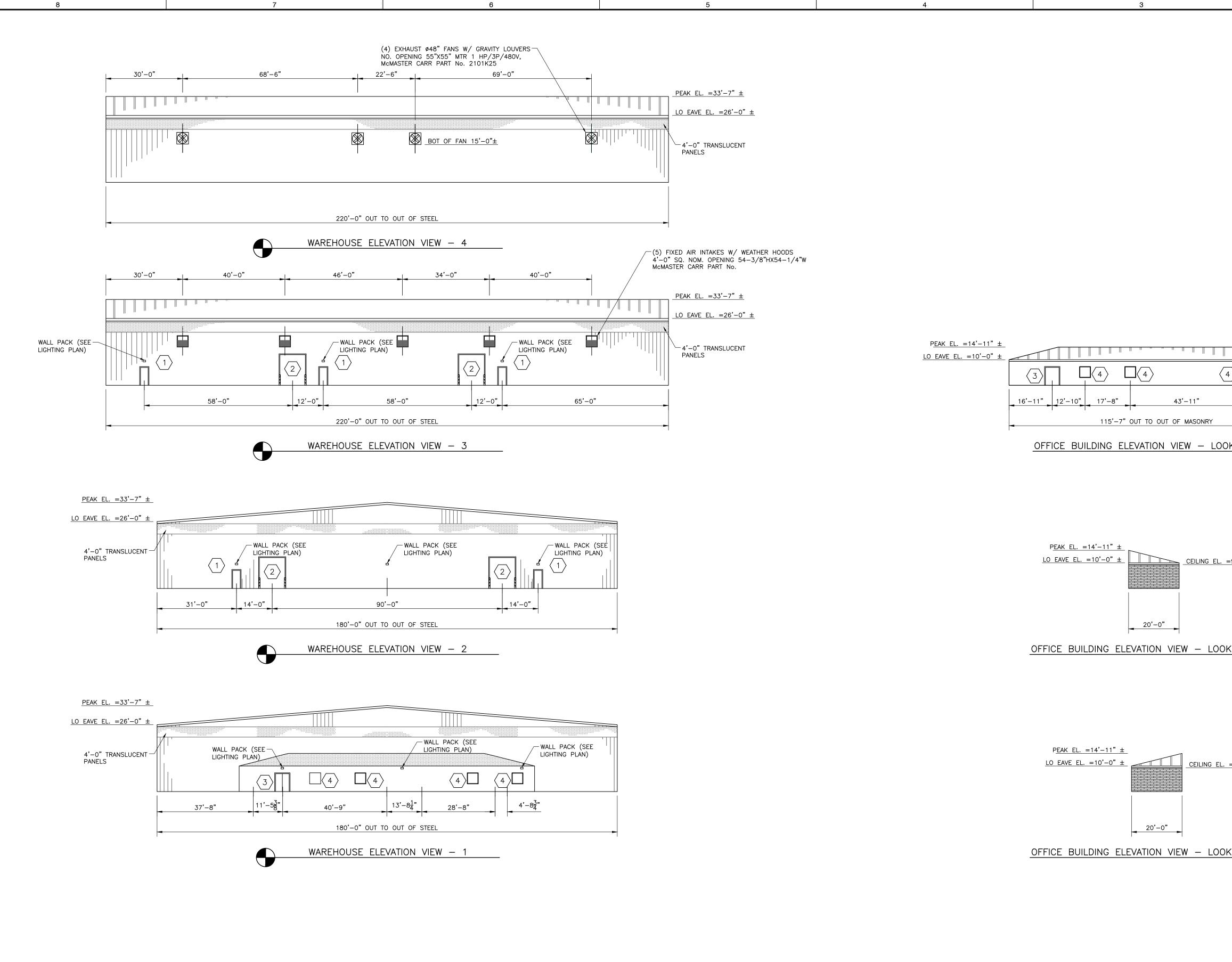




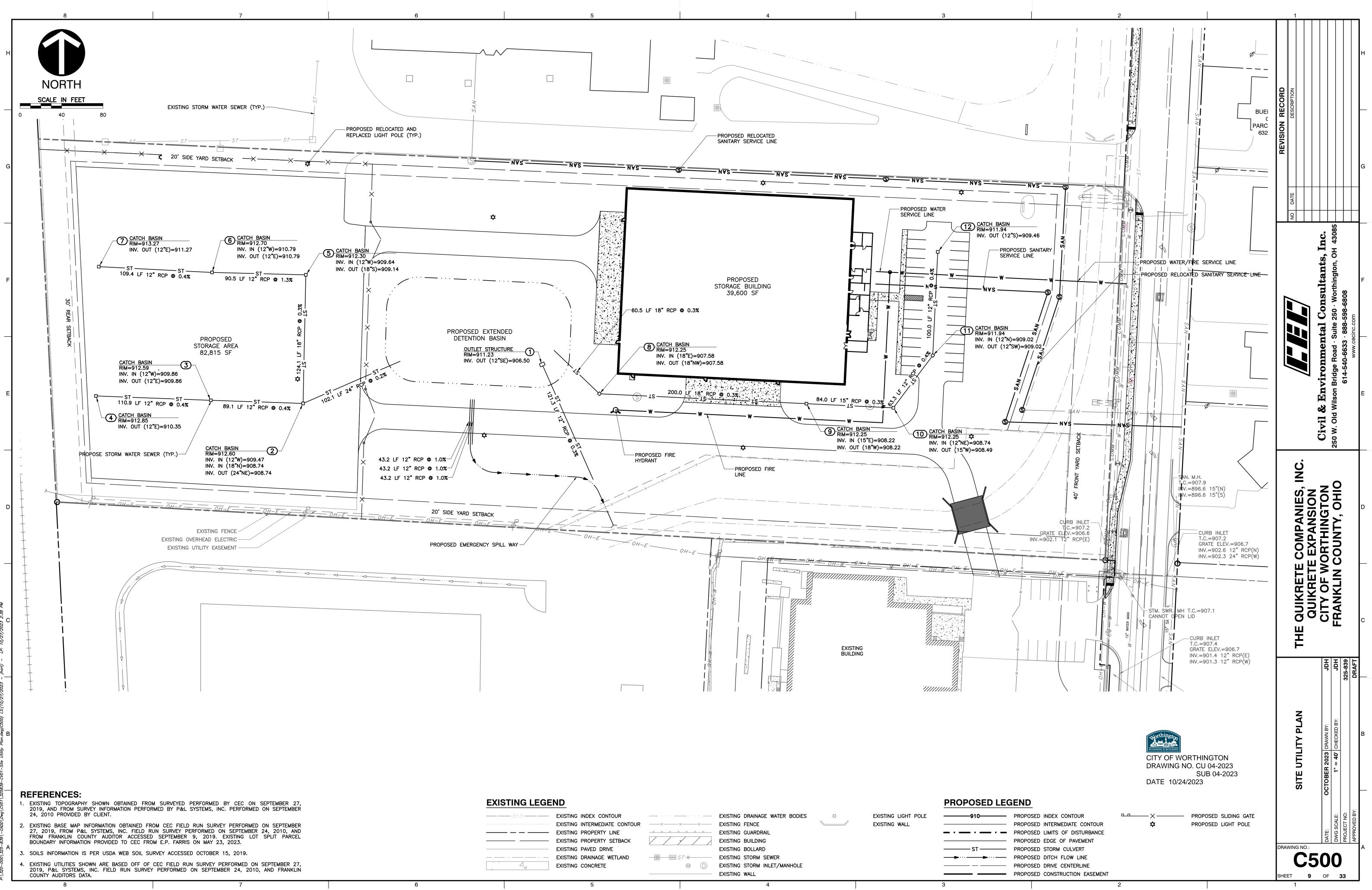




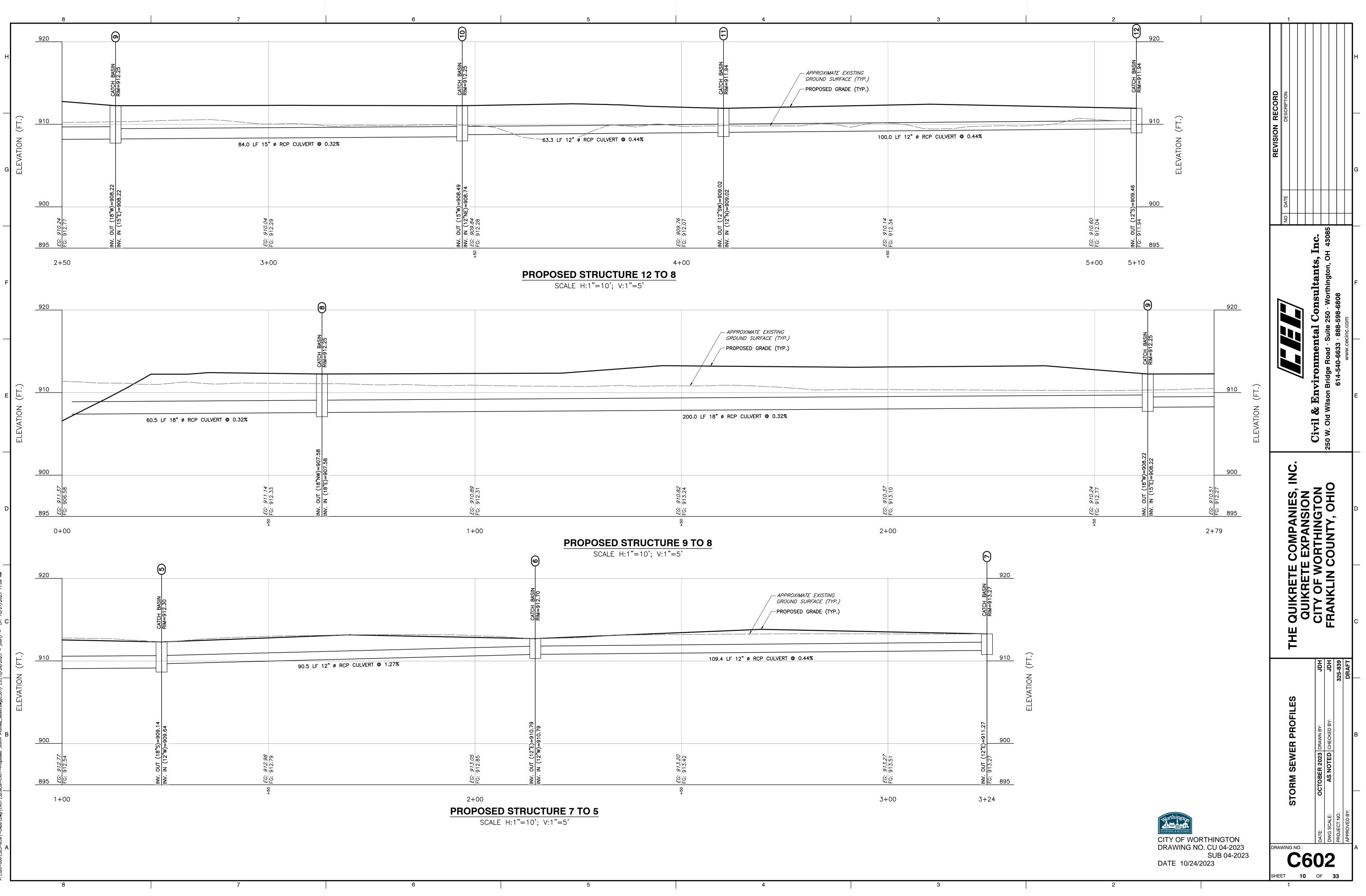
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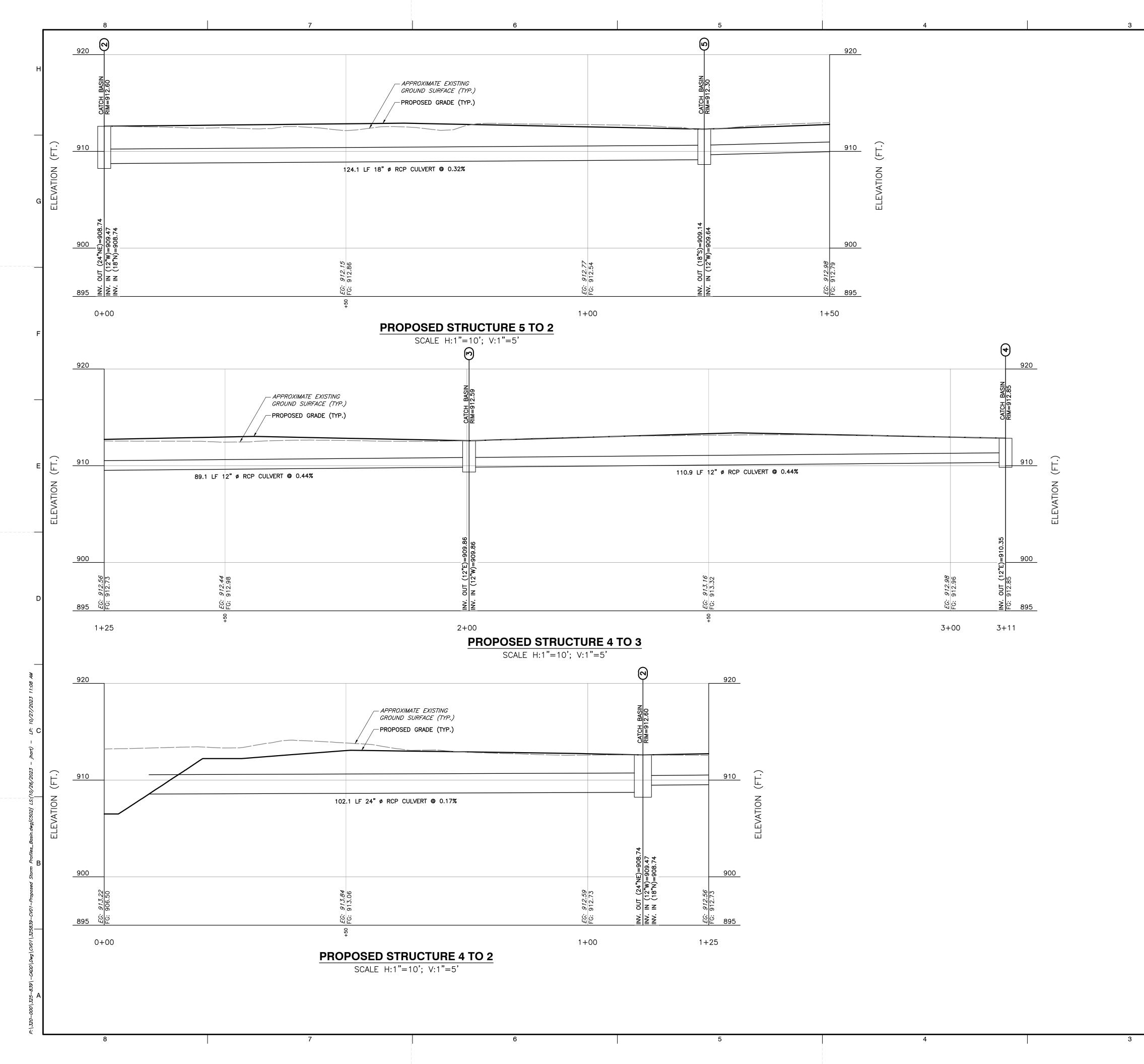


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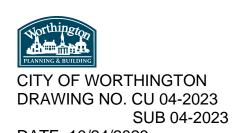


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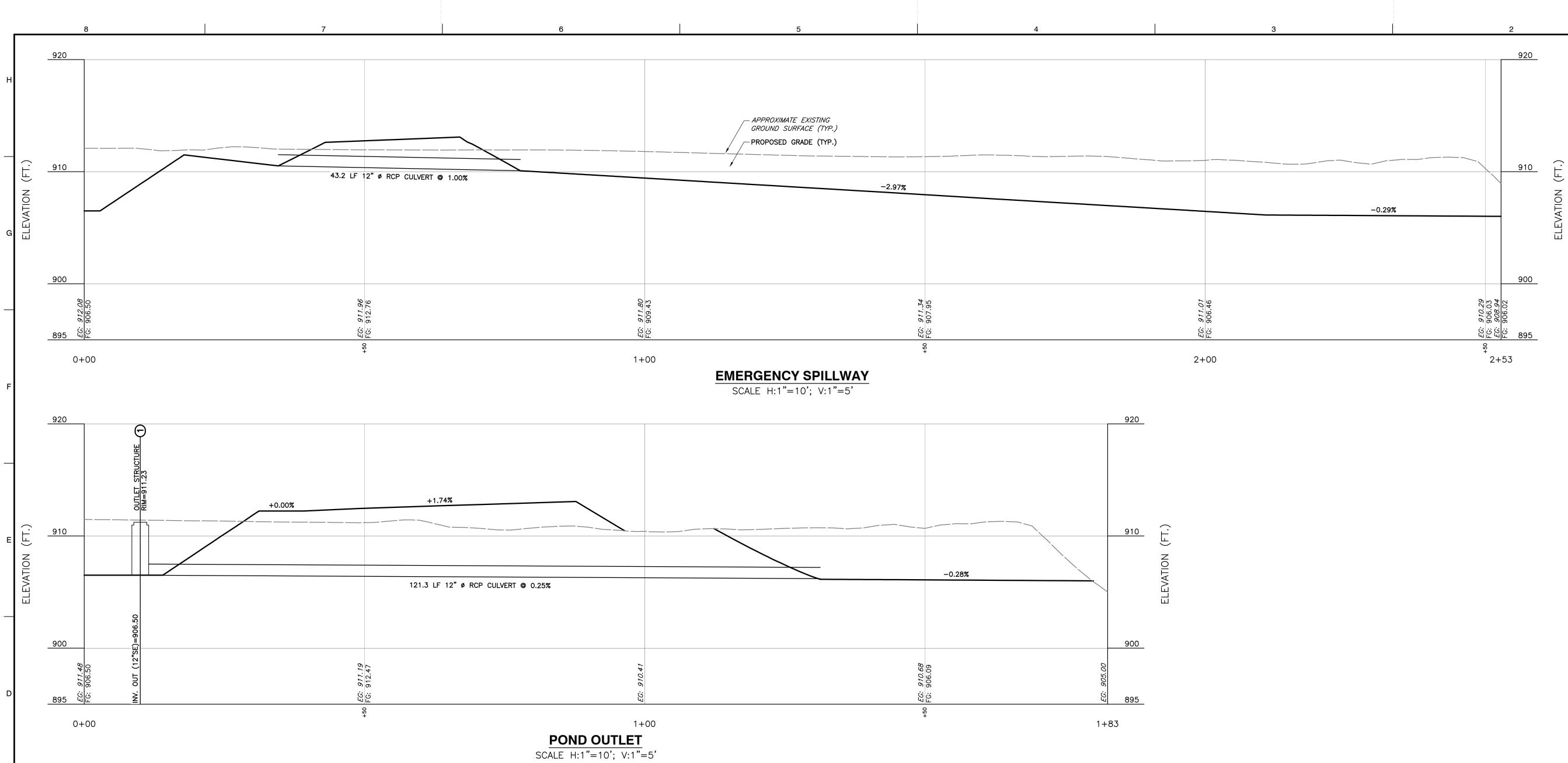




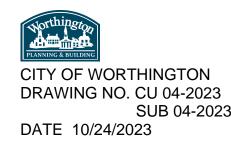
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						Civil & Environmental Consultants, Inc.	od · Suite 250 · Worthington OH //3085		614-540-6633 · 888-598-6808	www.cecinc.com	F
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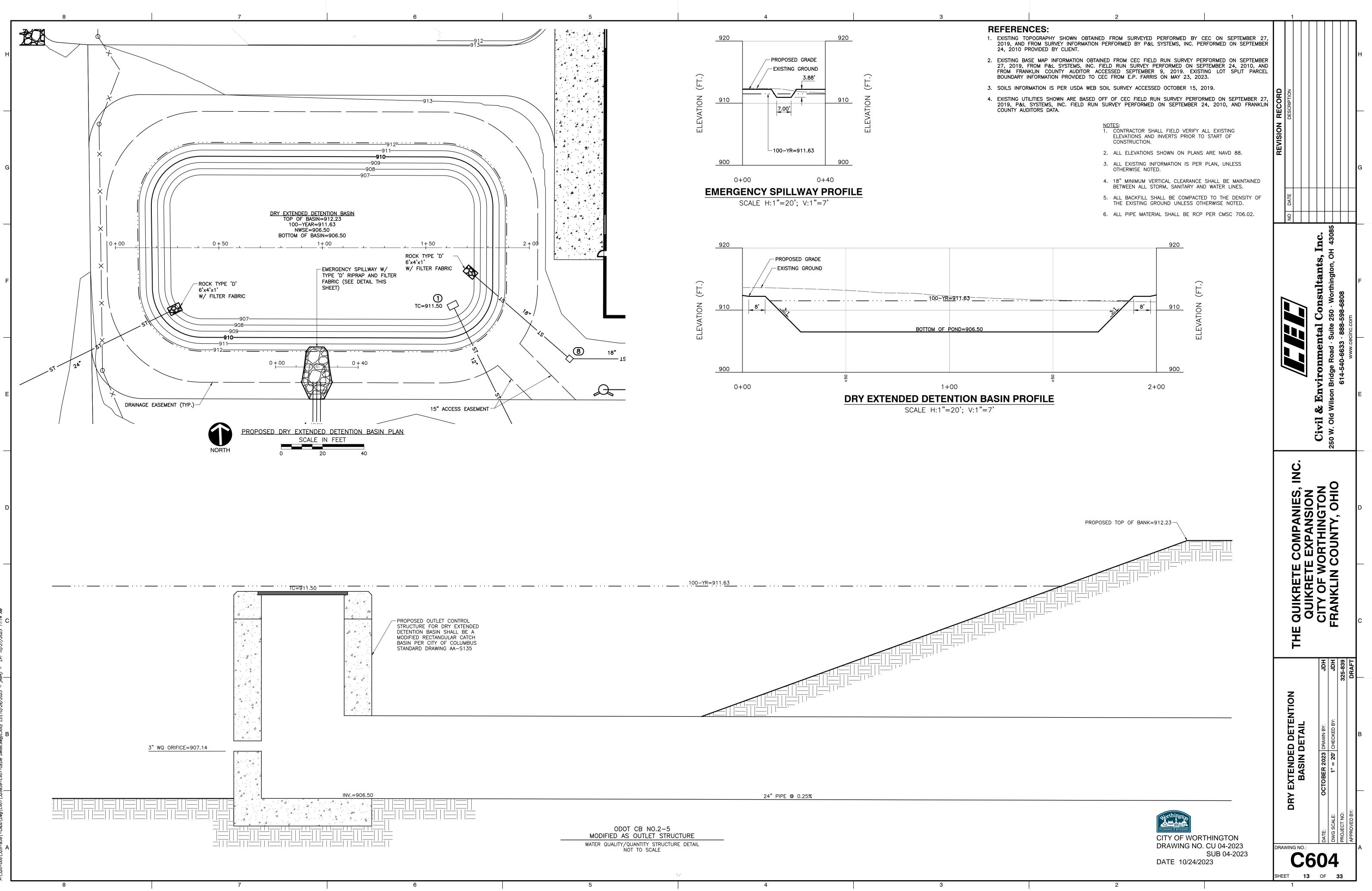


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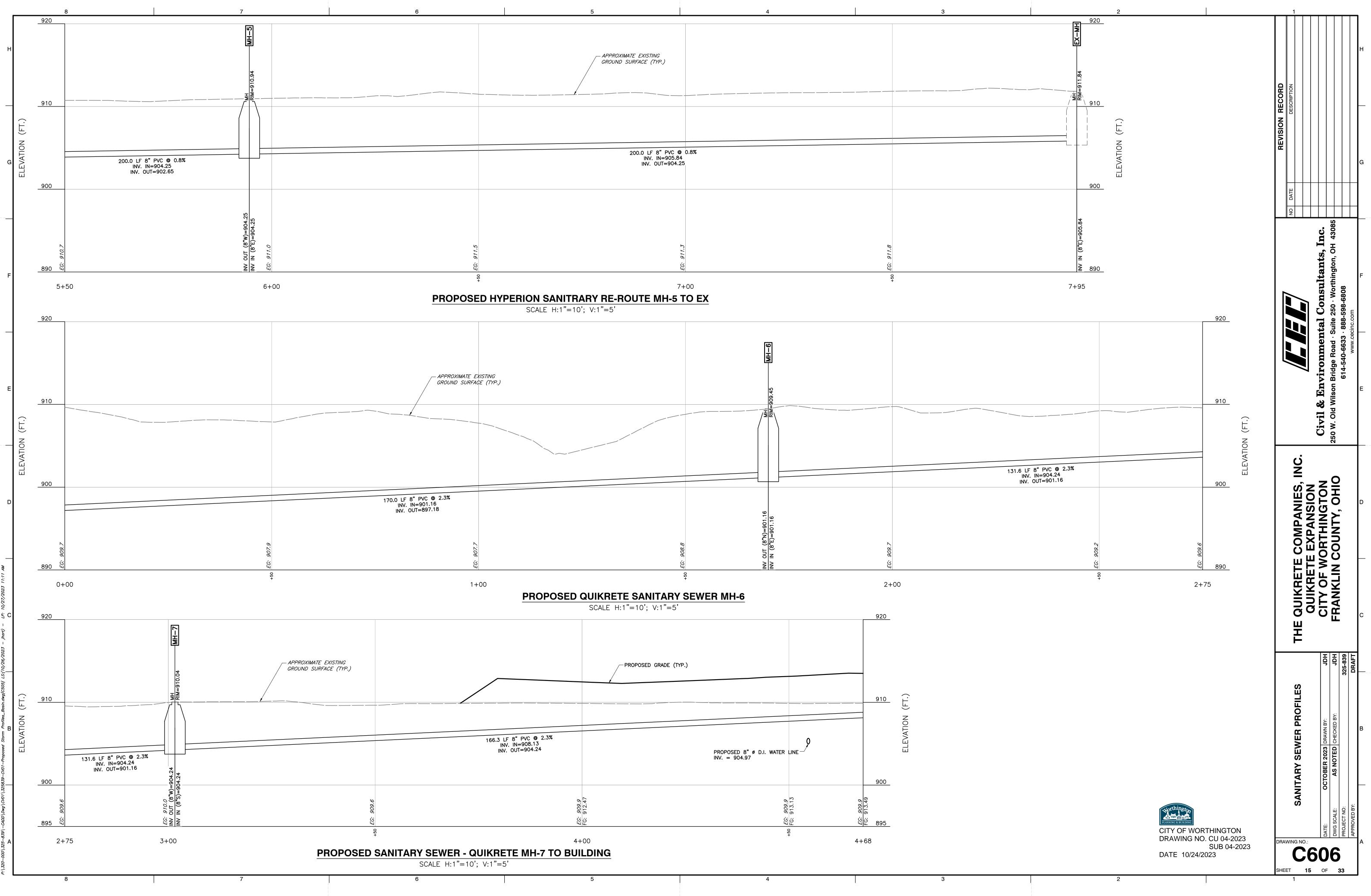


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			P1	4	LITHONIA DSX1 LED P4 LIGHTING 40K 80CRI T31	D-SERIES SIZE 1 AREA LUMINAIRE P4 PERFORMANCE 1 PACKAGE 4000K 1 CCT 80 CRI TYPE	14711.3 1	123.9	A			
211:					LIGHTING 40K 80CRI T3	M PACKAGE 4000K						
7/2023 11:								here and the second secon				
/27//2023				d"series		3 MEDIUM						
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- LP: 10/27/2023 O						D-SERIES SIZE 1	15033.9 1	123.9				
26/2023 – jhart) – LP: 10/27/2023 O				12		D-SERIES SIZE 1 AREA LUMINAIRE P4 PERFORMANCE M PACKAGE 4000K CCT 80 CRI FORWARD THROW	15033.9 1	123.9				
- LP: 10/27/2023 O			P2	d"series	LITHONIA DSX1 LED P4 LIGHTING 40K 80CRI TFT	D-SERIES SIZE 1 AREA LUMINAIRE P4 PERFORMANCE PACKAGE 4000K CCT 80 CRI FORWARD THROW WEDGE2 LED WITH						
TI} LS(10/26/2023 - jhart) - LP: 10/27/2023 11:				12		D-SERIES SIZE 1 AREA LUMINAIRE P4 PERFORMANCE PACKAGE 4000K CCT 80 CRI FORWARD THROW WEDGE2 LED WITH	15033.9 1 3212.9 1	22.6				
26/2023 – jhart) – LP: 10/27/2023 O			P2	d"series	LITHONIA DSX1 LED P4 LIGHTING 40K 80CRI TFT	D-SERIES SIZE 1 AREA LUMINAIRE P4 PERFORMANCE PACKAGE 4000K CCT 80 CRI FORWARD THROW WEDGE2 LED WITH P3 -						

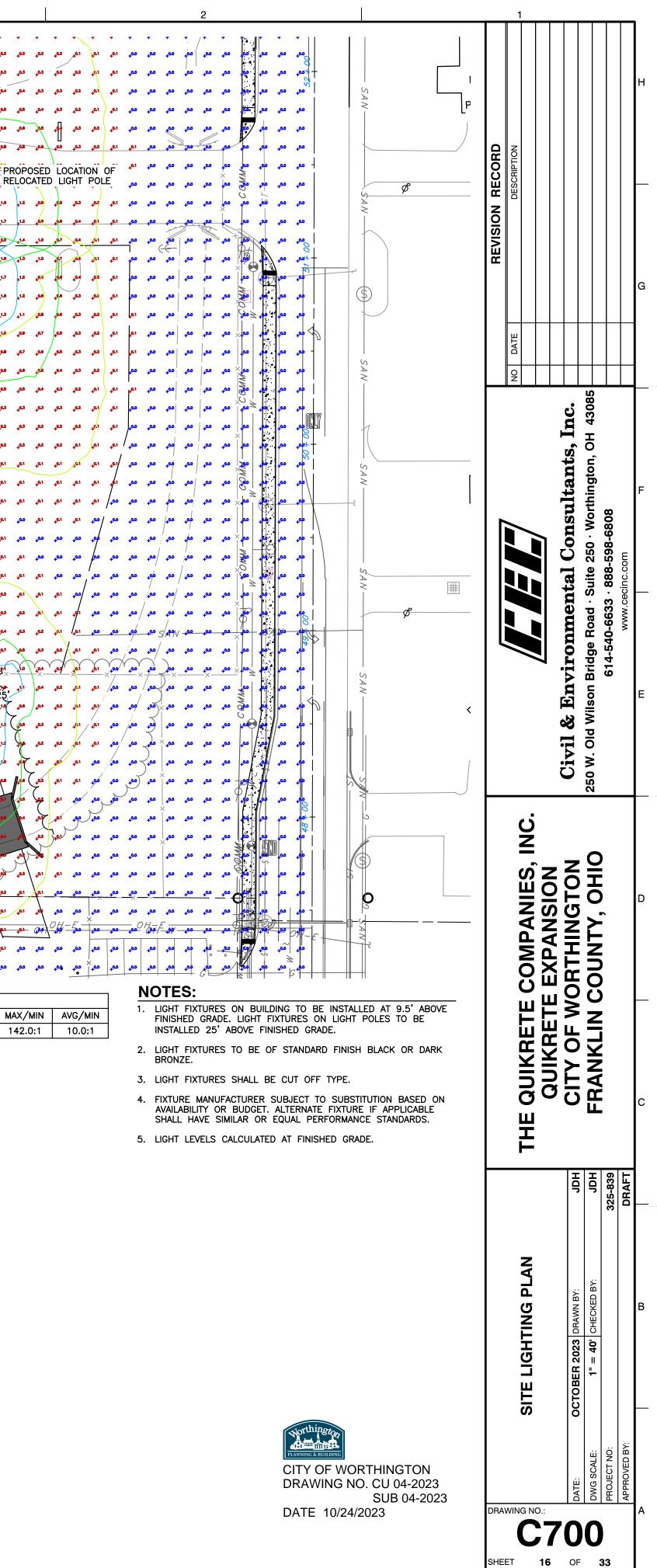
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8



		-Series Size 1 ED Area Luminaire	Catalog Number Notes		
			Туре	e over the page to see all interactive elem	ents.
Specific EPA: .ength: Width: Height H1: Height H2: Weight:	0.69 ft ² (0.06 m ²) 32.71 " (83.1 cm) 14.26 " (36.2 cm) 7.88 " (20.0 cm) 0.73 "		highly refi with its er benefits o a high pe luminaire. The photo with exce and lower ing photo poles req	ern styling of the l ined aesthetic tha nvironment. The D of the latest in LED rformance, high e ometric performa llent uniformity, g power density. D ometry aids in red uired in area light	D-Series features a at blends seamlessly D-Series offers the D technology into efficacy, long-life nce results in sites preater pole spacing D-Series outstand- ucing the number of ting applications with 5% and expected
Order DSX1 LED	ing Information	EXAMPLE: DSX1 LED		e of over 100,000	
C	150.	Color Rendering	1	Walkana	
Series DSX1 LED	Forward optics (this section 70CRI only) P1 P6 30K 3000K P2 P7 40K 4000K P3 P8 50K 5000K P4 P9 (this section 80CRI only, extended lead times apply) P5 Rotated optics 27K 2700K P10 ¹ P12 ¹ 30K 3000K	Color Rendering Index ² Distribution 70CRI AFR Automotive front row 70CRI TJS Type I short 70CRI T2M Type II medium 70CRI T3M Type IIl medium 70CRI T3LG Type II medium 73LG Type IV medium T4LG 80CRI 80CRI TFTM Forward throw medium 80CRI 80CRI Hord throw medium	T5MType V mediumT5LGType V low glareT5WType V wideBLC3Type III backlight control 3BLC4Type IV backlight control 3LCC0Left corner cutoff 3RCC0Right corner cutoff 3	Voltage MVOLT (120V-277V) ⁴ HVOLT (347V-480V) ⁵⁶ XVOLT (277V - 480V) ⁷⁸	Mounting Shipped included SPA Square pole mounting (#8 drilling) RPA Round pole mounting (#8 drilling) SPA5 Square pole mounting #5 drilling? RPA5 Round pole mounting #5 drilling? SPA5 Square pole mounting #5 drilling? RPA5 Round pole mounting #5 drilling? SPA8N Square narrow pole mounting #8 drilling WBA Wall bracket ¹⁰ MA Mast arm adapter (mounts on 2 3/8" OD horizontal tenon)

LIGHTING DETAIL - P1 NOT TO SCALE



5	

40K 4000K

50K 5000K

Shipped installed

PIR

PER

PER5

NLTAIR2 PIRHN nLight AIR gen 2 enabled with bi-level motion /

separate) ¹⁴

ambient sensor, 8–40' mounting height, ambient sensor enabled at 2fc.^{11, 12, 20, 21}

High/low, motion/ambient sensor, 8-40' mounting

NEMA twist-lock receptacle only (controls ordered

Five-pin receptacle only (controls ordered separate)^{14,21}

height, ambient sensor enabled at 2 fc 13, 20, 21

80CRI

80CRI

WBA Wall bracket 10

MA Mast arm adapter

DDBXD Dark Bronze

DNAXD Natural Aluminum

DBLBXD Textured black

DWHGXD Textured white

DDBTXD Textured dark bronze

DNATXD Textured natural aluminum

DBLXD Black

DWHXD White

mounting #8 drilling

(mounts on 2 3/8" OD horizontal tenon)

Specifications

1.5"

9"

11.5"

13.5 lbs

WDGE LED Family Overview

Depth (D1): Depth (D2):

Height:

Width:

Weight:

(without options)



ľ		L	ED Area	es Size 1 a Luminaire		Catalog Number Notes Type Hit the Tab key or mouse	over the page	to see all interactive eleme	nts.	
Specific EPA: Length: Width: Height H1 Height H2 Weight:	0.69 ft ² (0.06 m ²) 32.71" (83.1 cm) 14.26" (36.2 cm) 7.88" (20.0 cm)			H2	HI	highly refi with its en benefits o a high per luminaire. The photo with excel and lower ing photo poles requ typical en	ern styl ned ad ivironn if the la forma ometric lent ur powe metry uired in ergy sa	esthetic tha nent. The D atest in LED nce, high e c performan niformity, g r density. D aids in redu n area light	t blen)-Serie) tech fficacy nce re reater -Serie ucing ing ap	sults in sites pole spacing to outstand- the number of oplications with d expected
Order DSX1 LED Series	ing Informa	tion Color temperature ³	Color Rendering	MPLE: DSX1 LED P	7 401	K 70CRI T3M	MVO Voltage	lt spa nlt	AIR2	
DSX1 LED	Forward optics P1 P6 P2 P7 P3 P8 P4 P9 P5 Rotated optics P10 ¹ P12 ¹ P11 ¹ P13 ¹	(this section 70CRI only) 30K 3000K 40K 4000K 50K 5000K (this section 80CRI only, extended lead times apply) 27K 2700K 30K 3000K 35K 3500K	Index ² 70CRI 70CRI 70CRI 80CRI 80CRI 80CRI 80CRI	AFRAutomotive front rowT1SType I shortT2MType II mediumT3MType III mediumT3LGType III nediumT3LGType IV mediumT4LGType IV nediumT4LGType IV low glare 3TFTMForward throw medium	LCC0	Type V medium Type V low glare Type V wide Type III backlight control ³ Type IV backlight control ³ Left corner cutoff ³ Right corner cutoff ³	MVOLT HVOLT	(120V-277V) ⁴ (347V-480V) ^{5,6} (277V - 480V) ^{7,8}		ed included Square pole mounting (#8 drilling) Round pole mounting (#8 drilling) Square pole mounting #5 drilling ⁹ Round pole mounting #5 drilling ⁹

Other options

R90

CCE

Shipped installed

SPD20KV 20KV surge protection

HA 50°C ambient operation²⁴

L90 Left rotated optics¹

Shipped separately

HS Houseside shield (black finish standard)²²

EGSR External Glare Shield (reversible, field install required, matches housing finish)

Right rotated optics 1

Coastal Construction²³

BSDB Bird Spikes (field install required)

	Ón tíos	Chamberd ENL 08C	CHIEN DORG	C			Approxim	ate Lumens (4	000K, 80CRI)		
Luminaire	DGE2 LED Visual Comfort 10W 18W Standalone / nLight 1,200 2,000 3,000 4,500 6,000 //DGE2 LED Precision Refractive 10W 18W Standalone / nLight 700 1,200 2,000 3,200 4,200 //DGE3 LED Precision Refractive 15W 18W Standalone / nLight 7,500 8,500 10,000 12,000										
WDGE1 LED	Visual Comfort	4W			750	1,200	2,000				
WDGE2 LED	Visual Comfort	10W	18W	Standalone / nLight		1,200	2,000	3,000	4,500	6,000	
WDGE2 LED	Precision Refractive	10W	18W	Standalone / nLight	700	1,200	2,000	3,200	4,200		
WDGE3 LED	Precision Refractive	15W	18W	Standalone / nLight		7,500	8,500	10,000	12,000		
WDGE4 LED	Precision Refractive			Standalone / nLight		12,000	16,000	18,000	20,000	22,000	25,000
WDGE2 LED	P1 ¹ P1SW P2 ¹ P2SW P3 ¹ P3SW P4 ¹ P3SW	27K 30K 35K date sensors.	2700K 80CF 3000K 90CF 3500K 4000K	RI VF Visual co forward to VW Visual co	mfort MVC throw 347	OLT Shipp	ed included Surface mour Indirect Cano Washer brack	py/Ceiling et (drv/damp	AWS 3/8i PBBW Sur righ	inch Architectural face-mounted ba It conduit entry). L	k box (top, lef lse when there
Options									Finish		
E4WH Emerge (4W, 0°	ency battery backup, Certified °C min)	l in CA Title 20 MAEDBS		. ,		2SW & P3SW)					
E10WH Emergen (10W, 5) E20WC Emergen (18W, -2) PE 4 Photoce DS 5 Dual sw page 3 1 DMG ⁶ 0-10V d external		in CA Title 20 MAEDBS s and 2 light engines; see : fixture (for use with an	PIRH PIR1FC3V PIRH1FC3V Networked Se NLTAIR2 PIR	bi-level (100/35%) mitotic switched circuits with ext Bi-level (100/35%) motic switched circuits with ext Bi-level (100/35%) motio programmed for dusk to d Bi-level (100/35%) motio programmed for dusk to d nsors/Controls (only avail nLightAIR Wireless enable nLightAIR Wireless enable	ternal dusk to dai on sensor for 15 ternal dusk to dai on sensor for 8-15 lawn operation. on sensor for 15 lawn operation. lable with P1SW, P2 d bi-level motion	wn switching. 30' mounting heig wn switching 5' mounting height 80' mounting heigh 25W & P3SW) 1/ambient sensor f	hts. Intended s with photoce its with photoc or 8–15' mount	for use on I pre- ell pre- ing heights.			bronze al aluminum

LIGHTING DETAIL - P2 NOT TO SCALE

PER7 Seven-pin receptacle only (controls

BL30 Bi-level switched dimming, 30%^{16, 21}

BL50 Bi-level switched dimming, 50%^{16,21}

DMG 0-10v dimming wires pulled outside

control, ordered separately) 17

fixture (for use with an external

ordered separate) 14, 21

FAO Field adjustable output 15, 21

DS Dual switching 18, 19, 21

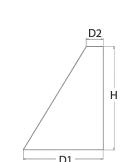


Catalog Number





Introduction

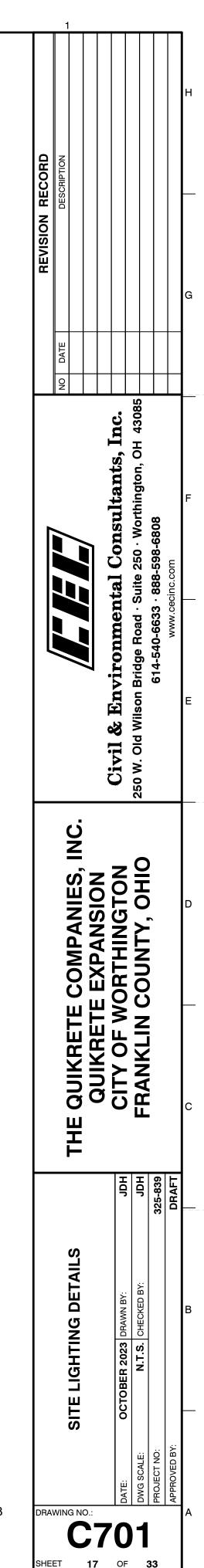


The WDGE LED family is designed to meet specifier's every wall-mounted lighting need in a widely accepted shape that blends with any architecture. The clean rectilinear design comes in four sizes with lumen packages ranging from 1,200 to 25,000 lumens, providing a true site-wide solution. Embedded with nLight® AIR wireless controls, the WDGE family provides additional energy savings and code compliance.

WDGE2 delivers up to 6,000 lumens with a soft, non-pixelated light source, creating a visually comfortable environment. When combined with multiple integrated emergency battery backup options, including an 18W cold temperature option, the WDGE2 becomes the ideal wall-mounted lighting solution for pedestrian scale applications in any environment.

LIGHTING DETAIL - W1

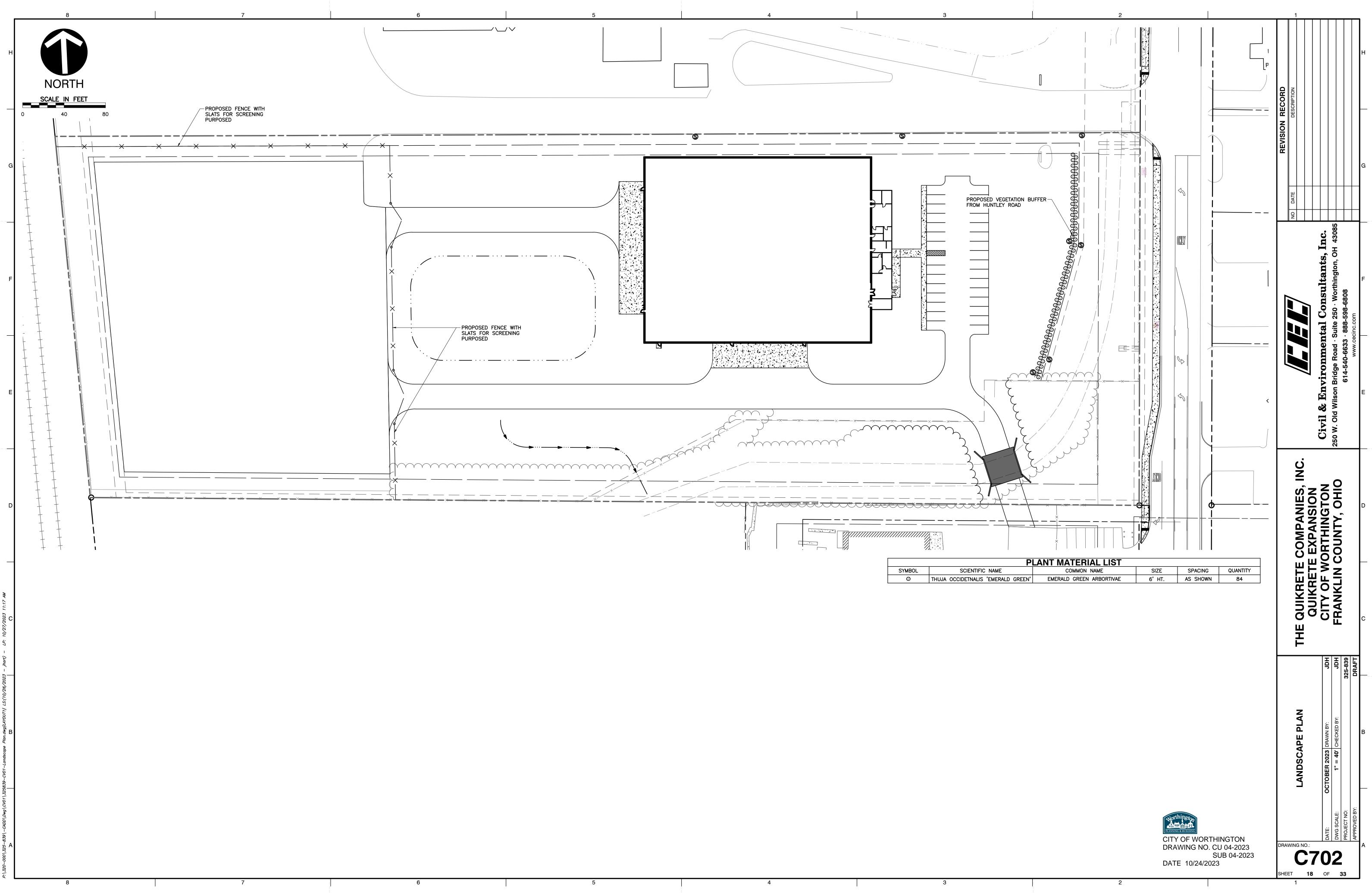
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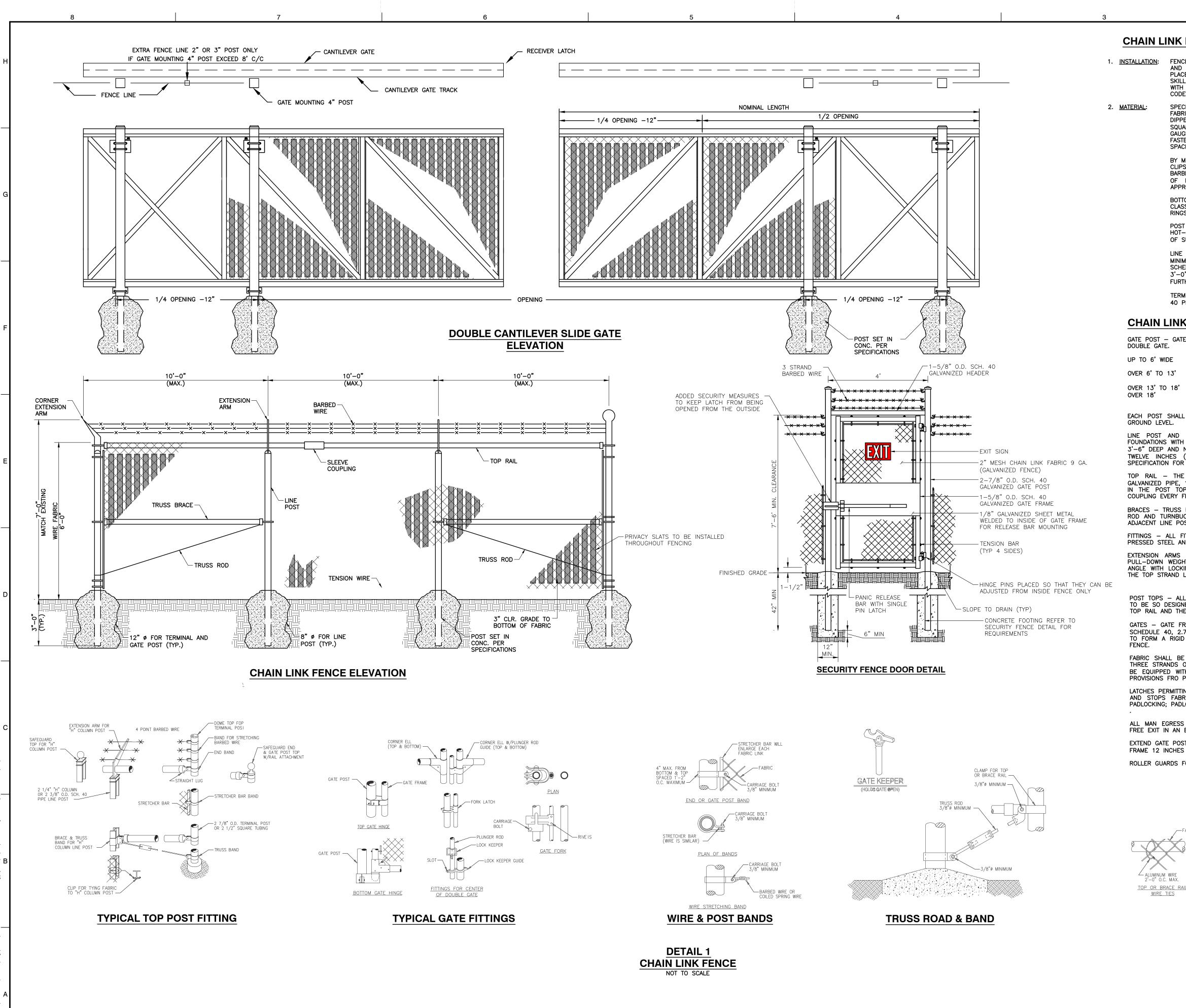




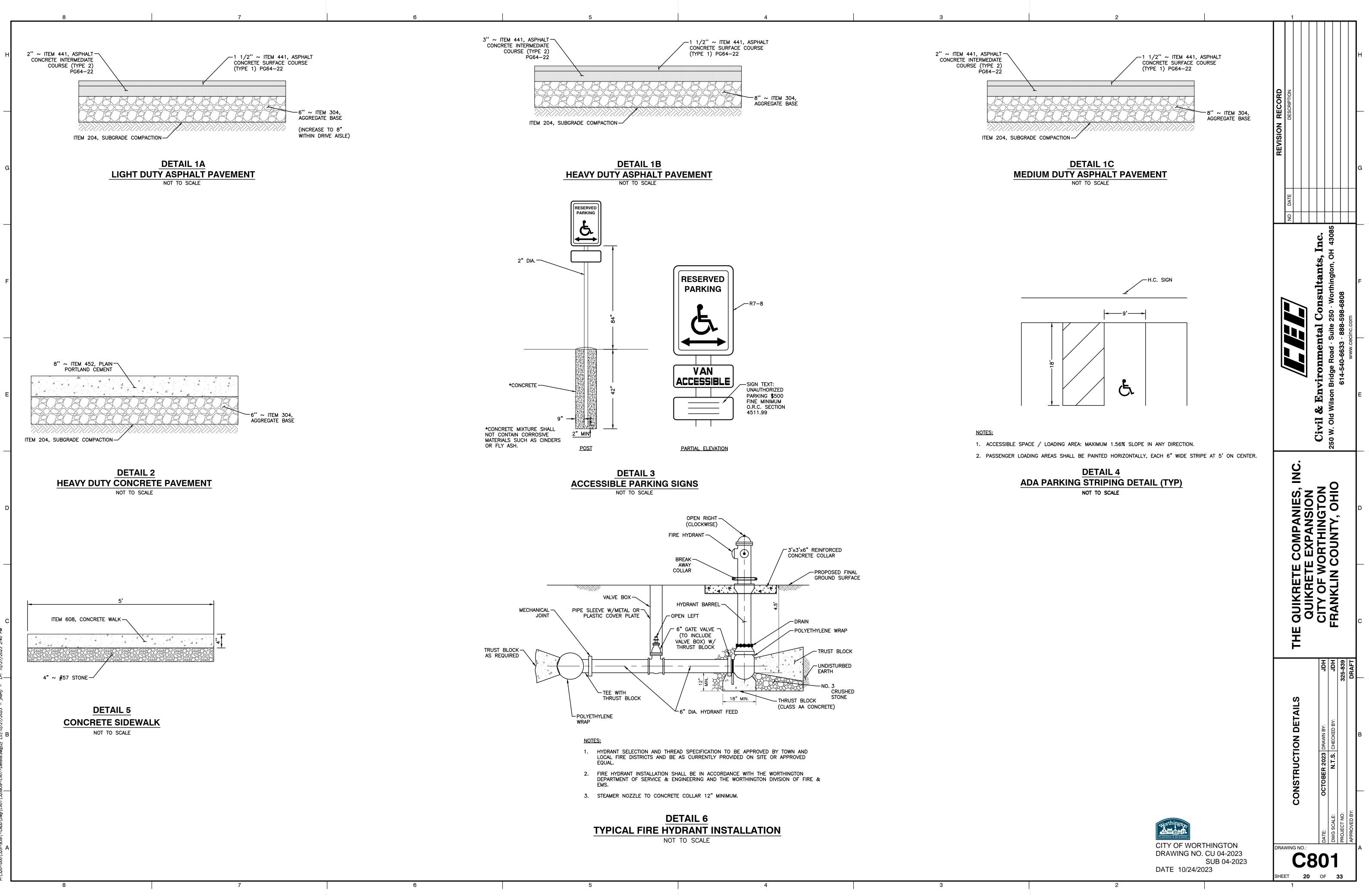
CITY OF WORTHINGTON DRAWING NO. CU 04-2023 SUB 04-2023

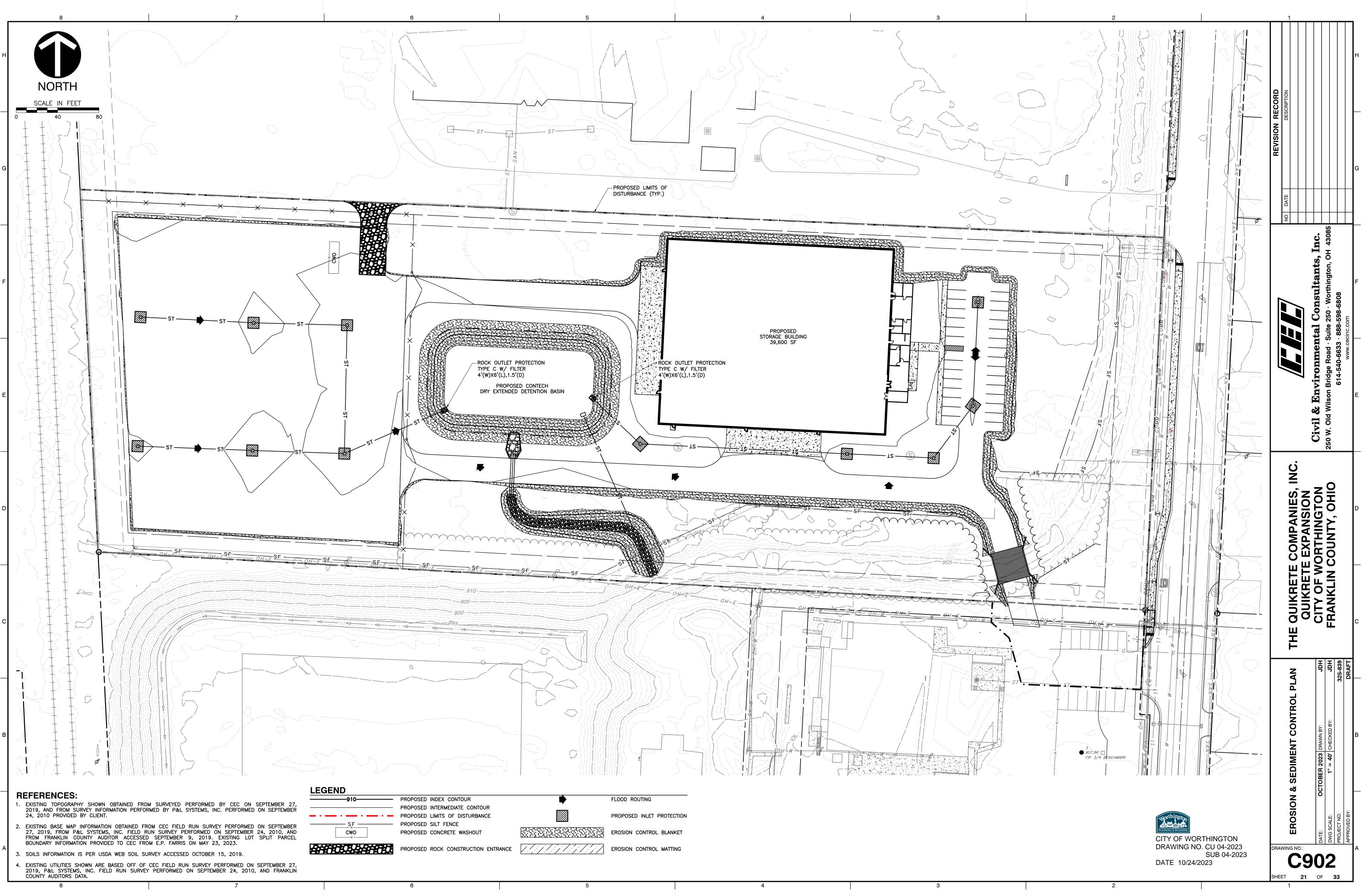
DATE 10/24/2023





2		1			_		
K FENCE GENERAL NOTES							
NCE ADDITION SHALL BE PLUMB AND TRUE TO LINE, CHAIN LINK FABRIC SHALL BE TAUT ID PROPERLY SECURED, CORNER BRACES AND DIAGONAL BRACES SHALL BE PROPERLY ACED TO REPORT SACCING THE COMPLETE INSTALLATION SHALL BE INSTALLED BY						ŀ	1
ACED TO PREVENT SAGGING. THE COMPLETE INSTALLATION SHALL BE INSTALLED BY ILLED AND EXPERIENCED FENCE ERECTORS, IN A WORKMANLIKE MANNER, IN ACCORDANCE TH GOOD CONSTRUCTION PRACTICE AND IN ACCORDANCE WITH ALL LOCAL APPLICABLE IDES.							
ECIFICATIONS FOR HOT—DIP GALVANIZED FENCE CHAIN LINK FABRIC — THE CHAIN LINK BRIC SHALL BE IN ACCORDANCE WITH ASTM A—392 SPECIFICATIONS AND SHALL BE HOT PPED GALVANIZED AFTER WEAVING, HAVING A COATING WEIGHT OF 2 OUNCES OF ZINC PER	RECORD	RIPTION					
UARE FOOT, MINIMUM, OF UNCOATED WIRE SURFACE (CLASS II). FABRIC SHALL BE NO. 9 UGE WIRE WOVEN IN A 20INCH CHAIN LINK DIAMOND MESH. THE FABRIC SHALL BE STENED TO THE LINE POSTS BY A MEANS OF NO. 6 GAUGE ALUMINUM WIRE CLIPS ACED 12 INCHES ON CENTER. FABRIC SHALL BE ATTACHED TO TERMINAL POST.	lz	DESC					_
MEANS OF A 1/4" X 3/4" TENSION BAR WITH HEAVY GAUGED PRESSED STEEL BAND OR IPS SPACED APPROXIMATELY 14 INCHES ON CENTER.	EVISIO						
RBED WIRE — BARBED WIRE TO BE OF 4 POINT PATTERN, COMPOSED OF THREE STRANDS NO. 11—1/2 GAUGE GALVANIZED WIRE WITH LARGE ALUMINUM BARBS SPACED PROXIMATELY 4 INCHES TO 5 INCHES ON CENTER.	ä						à
ITTOM TENSION WIRE — NO. 7 GAUGE GALVANIZED COIL SPRING TENSION WIRE WITH ASS I COATING. WIRE TO BE FASTENED TO CHAIN LINK FABRIC WITH NO. 11 GAUGE HOG NGS ON 18 INCH CENTERS.							
IST AND OTHER APPURTENANCES — ALL POST AND OTHER APPURTENANCES SHALL BE IT—DIP GALVANIZED WITH A MINIMUM ZINC COATING OF 2.0 OUNCES PER SQUARE FOOT SURFACE (CLASS II COATING ASTM 1—392).		DATE					
IE POST – LINE POST SHALL BE 2 1/4" "H" COLUMN WEIGHING 4.1 LBS. PER FOOT, NIMUM CARBON CONTENT 0.35%, MINIMUM TENSILE STRENGTH 75,000 PSI OR 2 3/8" O.D. HEDULE 40 PIPE, OR SUFFICIENT LENGTH TO ALLOW FOR INSTALLATION TO A DEPTH OF –0" BELOW GROUND LEVEL. THE POSTS SHALL BE SPACED IN THE LINE OF FENCE, NO RTHER THAN 10'–0".		Q	Inc.	43085			
RMINAL POST — ALL END, CORNER, AND PULL POSTS SHALL BE 2 7/8" O.D. SCHEDULE PIPE OR 2 1/2" X 2 1/2" X 0.1875" WALL THICKNESS SQUARE TUBING.			*	Ю			
IK FENCE SPECIFICATIONS			Consultants	Bridge Road · Suite 250 · Worthington		F	-
ATE POST SHALL BE OF THE FOLLOWING SIZE FOR SINGLE SWING GATES OR ONE LEAF OF			Insu	Worth	6808		
2-1/2" SQ. NOM. WT. SAME AS TERMINAL POST OR 2-7/8" O.D.				e 250 ·	· 888-598-6808	com	
4" O.D. NOM. WT. 9.11 LB/FT 6-5/8" O.D. NOM. WT. 18.97 LF/FT 8-5/8" O.D. NOM. WT. 24.70 LB/FT			inta	· Suite		.cecinc.	_
ALL BE OF SUFFICIENT LENGTH TO ALLOW FOR INSTALLATION TO A DEPTH OF 3'-0" BELOW			nme	Boad	614-540-6633	MMM	
D TERMINAL POST ANCHORAGE – ALL POST SHALL BE SET IN CYLINDRICAL CONCRETE TH TOP OF FINISH CONCRETE SURFACE 3 INCHES ABOVE FINISH GRADE. EXCAVATION SHALL BE D NOT LESS THAN EIGHT INCHES (8") IN DIAMETER FOR ALL LINE POSTS, AND NOT LESS THAN (12") IN DIAMETER FOR TERMINAL AND GATE POST. CONCRETE SHALL MEET ACI-318 DR 3000 PSI-28 DAY STRENGTH CONCRETE.			Environmental		614-5	E	Ξ
HE FENCE SHALL HAVE A CONTINUOUS TOP RAIL FOR ITS FULL LENGTH OF STANDARD 2, 1–5/8" O.D THE TOP RAIL SHALL PASS THROUGH OPENINGS PROVIDED FOR THAT PURPOSE FOPS AND EACH LENGTH SHALL BE COUPLED WITH A SLEEVE COUPLING, WITH EXPANSION 7 FIFTH JOINT.			Civil & I	. Old Wilson			
S BRACES OF STANDARD GALVANIZED 1–5/8" O.D. PIPE 2.71 LB/FT, WITH A 3/8" O.D. TRUSS BUCKLE ATTACHMENT SHALL BE INSTALLED BETWEEN EACH END OR GATE POST AND THE AND POST. TWO TRUSS BRACES SHALL BE FURNISHED ON CORNER OR PULL POSTS.			Ü	250 W.			
FITTINGS USED IN THE COMPLETE FENCE ASSEMBLY SHALL BE A MALLEABLE, CAST IRON OR AND SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION.		Ċ					
S — LINE POST SHALL BE EQUIPPED WITH EXTENSION ARMS TO WITHSTAND A MINIMUM GHT OF 450 LBS. FROM END OF ARM. ARMS TO BE DESIGNED TO EXTEND AT 45 DEGREE CKING DEVICE TO SECURELY FASTEN THREE STRANDS OF BARBED WIRE EQUALLY SPACED WITH D LOCATED 12 INCHES ABOVE FABRIC AND 12 INCHES OUT FROM THE FENCE LINE.		ES, INC	ZO	HIO)		
ALL END, CORNER, PULL AND GATE POST SHALL BE EQUIPPED WITH TOPS. TUBULAR POST TOPS GNED AS TO EXCLUDE MOISTURE FROM THE POST. ALL LINE POST TOPS DESIGNED TO HOLD THE THE EXTENSION ARM FOR THREE STRANDS OF BARBED WIRE.		A		TY. O))
FRAMES SHALL BE MADE OF 2"X 2"X 0.110"W.T. SQUARE STEEL TUBING OR 1.9 INCH O.D. 2.72 LB/FT STANDARD WEIGHT PIPE, HOT—DIP GALVANIZED, FRAMES TO BE JOINED AT CORNERS GID PANEL AND SHALL BE FILLED WITH CHAIN LINK FABRIC OF SAME GAUGE AS USED ON THE		COMP	RTH	OUN	, , ,		
BE FASTENED IN THE FRAME ON ALL FOUR SIDES BY MEANS OF TENSION BARS AND CLIPS. 5 OF BARBED WIRE SHALL BE FASTENED TO THE EXTENDED FRAMES OF GATE. EACH FRAME TO WITH 3/8" DIAMETER ADJUSTABLE TRUSS ROD, HINGES. POSITIVE TYPE LATCHING DEVICE WITH 0 PADLOCKING.		Ш		IN CO			_
TTING OPERATION FROM BOTH SIDES OF GATE, LOCKING DEVICES, HANGERS, ROLLER ASSEMBLIES, BRICATED FROM GALVANIZED STEEL. FABRICATE LATCHES WITH INTEGRAL EYE OPENINGS FOR DLOCK ACCESSIBLE FROM BOTH SIDES OF GATE.		JIKRE	NIKR VOI	NKL			
SS GATES SHALL BE SECURE FROM OUTSIDE INTRUDERS WITH PANIC BAR WHICH ALLOW FOR N EMERGENCY.			S E	FRA		c)
OSTS AND FRAME END MEMBERS ABOVE TOP OF CHAIN—LINK FABRIC AT BOTH ENDS OF GATE ES (300 MM) AS REQUIRED TO ATTACH BARBED WIRE ASSEMBLIES.		ΤHΕ			•		
FOR HORIZONTAL GATES SHALL BE REQUIRED PER ASTM F 1184 FOR TYPE II, CLASS 1 GATES.			E	HDL	39	Ŀ	
			5	ר 	325-839	DRA	
—FABRIC		ILS					
ALUMINUM WRE 1'-0" O.C. MAX.		DETAIL	BY:) BY:			
FABRIC TIES, CLAMPS OR BANDS MUST COMPLETELY ENCIRCLE POST			DRAWN B	CHECKED		E	}
. OR COLUMN AND ENDS SHALL BE SECURELY FASTENED TOGETHER. POST WIRE TIES		RUCTION	2023	I.T.S.			
WIRE TIES			OCTOBER				
		CONST	0			F	-
Northington				DWG SCALE:	PROJECT NO:	OVED BY:	
	DRAM	VING NO.	DATE:	DWG (PROJE	APPROVED	4
DRAWING NO. CU 04-2023 SUB 04-2023 DATE 10/24/2023		_	80	0)	ľ	
DATE 10/24/2023	SHEE		9 OF		33		





	THE BULL	
	PROPOSED	INTERMEDIATE CONTOUR
 · · · _	PROPOSED	LIMITS OF DISTURBANCE
SF	PROPOSED	SILT FENCE
CWO	PROPOSED	CONCRETE WASHOUT
×		
	PROPOSED	ROCK CONSTRUCTION E

	SITE DATA	
н	DEVELOPER:	THE QUIKRETE COMPANIES, INC. 5 CONCOURSE PARKWAY, SUITE 900 ALANTA, GA 30328 PHIL WEGMILLER (614) 885–4406
	PLAN DESIGNER:	CIVIL & ENVIRONMENTAL CONSULTANTS, INC. 250 OLD WILSON BRIDGE ROAD, SUITE 250 WORTHINGTON, OHIO 43085 JAMES D. FIELDS, P.E. (614) 540–6633
	LAND USE:	LAND IS CURRENTLY AN UNUSED OPEN FIELD AND TWO PAVED PARKING AREAS
	DEVELOPMENT TYPE:	WAREHOUSE
	SITE ACREAGE:	±8.63 AC
	DISTURBED ACREAGE:	±5.14 AC
G	PRE-CONSTRUCTION RUNOFF COEFFICIENT:	0.64
	PRE-CONSTRUCTION IMPERVIOUS AREA:	35%
	POST-CONSTRUCTION RUNOFF COEFFICIENT:	073
	POST-CONSTRUCTION IMPERVIOUS AREA:	52%
	RECEIVING WATER BODIES:	RUSH RUN
	NPDES PERMIT #:	TO BE DETERMINED

BfA - BENNINGTON-URBAN LAND COMPLEX, 0 TO 2 PERCENT SLOPES

Pn - PEWAMO LOW CARBONATE TILL-URBAN LAND COMPLEX, 0 TO 2 PERCENT SLOPES

EROSION CONTROL

CONTROL OF EROSION AND SEDIMENTATION SHALL BE PROVIDED AS PER THE REQUIREMENTS OF THE OEPA AND THE STANDARDS AND SPECIFICATIONS OF THE "RAINWATER AND LAND DEVELOPMENT" MANUAL OF THE ODNR.

SOIL TYPES

TEMPORARY SOIL EROSION AND SEDIMENT CONTROL

EROSION AND SEDIMENT CONTROL MEASURES ARE REQUIRED AS A PART OF THIS PROJECT. THE EROSION AND SEDIMENT CONTROL PLAN REFLECTS A SCHEMATIC DIAGRAM OF THE INTENDED MEASURES FOR COMPLIANCE WITH THE REQUIRED STANDARDS. GENERAL PRACTICE AND/OR SITE FIELD CONDITIONS MAY WARRANT VARIATION IN THE PLACEMENT OR USE OF THE SPECIFIC CONTROLS. ANY VARIATIONS SHALL BE APPROVED BY THE DESIGN ENGINEER.

THE CONTRACTOR, IN COMPLIANCE WITH THE NPDES GENERAL PERMIT FOR STORM WATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITY AND IN ACCORDANCE WITH THE REQUIREMENTS OF THE OEPA AND THE STANDARDS AND SPECIFICATIONS OF THE "RAINWATER AND LAND DEVELOPMENT" MANUAL OF THE ODNR, WILL BE RESPONSIBLE FOR PROVIDING ADEQUATE EROSION AND SEDIMENT CONTROL MEASURES ALONG WITH PROPER MAINTENANCE AND INSPECTION. AN EROSION CONTROL MAINTENANCE LOG SHALL BE KEPT ON SITE IN COMPLIANCE WITH OEPA REGULATIONS. THE LOG SHALL BE AVAILABLE FOR PUBLIC INSPECTION.

SEEDING

"TEMPORARY SEEDING" NO AREA FOR WHICH GRADING HAS BEEN COMPLETED SHALL BE LEFT UNSEEDED OR UN-MULCHED FOR LONGER THAN 14 DAYS. IF PERMANENT SEED IS NOT APPLIED AT THIS TIME, TEMPORARY SEEDING SHALL BE DONE AT THE FOLLOWING RATES:

MARCH 1 TO AUG	<u>SUST 15</u>	
SEED:	OATS	2 LBS./1,000 SQ. FT.
FERTILIZER:	(12:12:12)	12-1/2 LBS./1,000 SQ. FT.
MULCH:	(HYDRO-MULCH)	2 TONS/ACRE
AUGUST 15 TO N SEED: FERTILIZER: MULCH: NOVEMBER 1 TO	ANNUAL RYE (12:12:12) (HYDRO-MULCH)	2 LBS./1,000 SQ. FT. 12–½ LBS./1,000 SQ. FT. 2 TONS/ACRE

MULCH (ONLY): (HYDRO-MULCH) 2 TONS/ACRE

"PERMANENT SEEDING" SHALL BE DONE BETWEEN MARCH 15 AND SEPTEMBER 15. IF SEEDING IS DONE BETWEEN SEPTEMBER 15 AND MARCH 15, IT SHALL BE CLASSIFIED AS "TEMPORARY SEEDING". PERMANENT SEED SHALL BE 40% KENTUCKY BLUEGRASS, 40% CREEPING RED FESCUE, 20% ANNUAL RYEGRASS.

PERMANENT SEEDING SHALL CONSIST OF FERTILIZING, WATERING AND SEEDING RATES INDICATED UNDER ITEM 659. SEEDING SHALL BE APPLIED WITHIN TWO (2) DAYS AFTER FINAL GRADING OR FOLLOWING SEED BED PREPARATION.

RATES OF APPLICATION OF ITEM 659: 2 LBS./1,000 SQ. FT. 2 LBS./1,000 SQ. FT. SEED: FERTILIZER: 25 LBS./1,000 SQ. FT. (12:12:12) MULCH: (HYDRO-MULCH) 2 TONS/ACRE

STABILIZATION OF DENUDED AREAS

DENUDED AREAS SHALL HAVE SOIL STABILIZATION APPLIED WITHIN SEVEN DAYS IF THEY ARE TO REMAIN DORMANT FOR MORE THAN FOURTEEN DAYS.

SHEET FLOW RUNOFF FROM DENUDED AREAS SHALL BE FILTERED OR DIVERTED TO A SETTING FACILITY.

SEDIMENT BARRIERS SUCH AS SILT FENCE OR DIVERSIONS TO SETTLING FACILITIES SHALL PROTECT ADJACENT PROPERTIES AND WATER RESOURCES FROM SEDIMENT TRANSPORTED BY SHEET FLOW.

PRIOR TO CONSTRUCTION OPERATIONS IN A PARTICULAR AREA, ALL SEDIMENTATION AND EROSION CONTROL FEATURES SHALL BE IN PLACE. FIELD ADJUSTMENTS WITH RESPECT TO LOCATIONS AND DIMENSIONS MAY BE MADE BY THE ENGINEER.

THE CONTRACTOR SHALL PLACE INLET PROTECTION FOR THE EROSION CONTROL IMMEDIATELY AFTER CONSTRUCTION OF THE CATCH BASINS OR INLETS, WHICH ARE NOT TRIBUTARY TO A SEDIMENT BASIN OR DAM.

IT MAY BECOME NECESSARY TO REMOVE PORTIONS OF THE BARRIER DURING CONSTRUCTION TO FACILITATE THE GRADING OPERATIONS IN CERTAIN AREAS. HOWEVER, THE BARRIER SHALL BE IN PLACE IN THE EVENING OR DURING ANY INCLEMENT WEATHER.

ALL EROSION & SEDIMENT CONTROL PRACTICES ARE SUBJECT TO FIELD MODIFICATION AT THE DIRECTION OF THE DESIGN ENGINEER AND/OR OHIO EPA.

CONSTRUCTION ROAD STABILIZATION (CRS)

BOTH TEMPORARY AND PERMANENT ROADS AND PARKING AREAS MAY REQUIRE PERIODIC TOP DRESSING WITH NEW GRAVEL. SEEDED AREAS ADJACENT TO THE ROADS AND PARKING AREAS SHOULD BE CHECKED PERIODICALLY TO ENSURE THAT A VIGOROUS STAND OF VEGETATION IS MAINTAINED. ROADSIDE DITCHES AND OTHER DRAINAGE STRUCTURES SHOULD BE CHECKED REGULARLY TO ENSURE THAT THEY DO NOT BECOME CLOGGED WITH SILT OR

PC

OST CONSTRUCTION	<u>1</u>		SEQUENCE OF CO
	EXTENDED DETENTION B NTENANCE AND INSPECT		 INSTALL ROCK CONSTRUCTION INSTALL PERIMETER E&S CO INSTALL SEDIMENT BASIN.
INSPECTION ITEM	MAINTENANCE PROCEDURES	FREQUENCY OF INSPECTION	4. CLEAR AND GRUB AS NECE
	-REMOVE ACCUMULATED SEDIMENT AND DEBRIS FROM INLET AND OUTLET STRUCTURES.		GRADING/DISTURBANCE TO
NLET/OUTLET STRUCTURE & SIDE SLOPES	-MOW SIDE SLOPES. (MIN. GRASS HEIGHT 3")	MONTHLY	AS STORM SEWERS ARE CO
	-DO NOT FERTILIZE VEGETATION SURROUNDING BASIN.		CLEANING (OR AS NEEDED)
BASIN EMBANKMENT	-REPAIR UNDERCUT/ERODED AREAS AND STABILIZE.	EVERY 6 MONTHS	9. BEGIN GRADING.
STORM SEWER SYSTEM	-REMOVE DEBRIS FROM THE SEWER SYSTEM TO ENSURE POSITIVE FLOW TO THE BASIN.	EVERY 6 MONTHS	11. FINE GRADE.
	-INSPECT FOR DAMAGE, PAYING PARTICULAR ATTENTION TO THE OUTLET CONTROL STRUCTURE.		13. REMOVE REMAINING SEDIM
	-CHECK FOR SIGNS OF EUTROPHIC CONDITIONS. (ALGAE BUILDUP)		THE CONTRACTOR SHALL PROV
STORMWATER BASIN	-NOTE SIGNS OF HYDROCARBON BUILD-UP, REMOVE APPROPRIATELY	ANNUALLY	 CLEAR AND GRUB AS NECE CONSTRUCT SANITARY SEW GRADING/DISTURBANCE TO CONSTRUCT STORM SEWER AS STORM SEWERS ARE CO INSTALL REMAINING SILT CLEANING (OR AS NEEDED) CONSTRUCT WATERLINES. BEGIN GRADING. BUILDING CONSTRUCTION M FINE GRADE. PERMANENTLY STABILIZE/SE REMOVE REMAINING SEDIM ACCUMULATED SEDIMENT.
STORMWATER BASIN	-MONITOR SEDIMENT ACCUMULATION IN THE FACILITY.		
	-EXAMINE TO ENSURE INLET AND OUTLET DEVICES ARE FREE OF DEBRIS AND ARE OPERATIONAL.		EVENT OF 0.5 INCHES OR
	-INSPECT FOR INVASIVE VEGETATION IF WETLAND COMPONENTS INCLUDED.		 AN INSPECTION CHECKLIST ALL INSPECTION RECORDS
TORMWATER BASIN SEDIMENT CCUMULATION & SEDIMENT POLE	-MONITOR SEDIMENT ACCUMULATIONS, AND REMOVE SEDIMENT WHEN THE POOL VOLUME HAS BECOME REDUCED SIGNIFICANTLY (40% OF PERMANENT POOL VOLUME LOST), OR THE POND BECOMES EUTROPHIC.	ANNUALLY	ACTIVITIES. 5. FOR BMP'S THAT REQUIRE WITHIN 3 DAYS OF INSPEC DAYS OF INSPECTION.
			6. FOR BMP'S NOT MEETING

THE PROPERTY OWNER SHALL BE RESPONSIBLE FOR THE INSPECTION AND MAINTENANCE OF THE DRY EXTENDED DETENTION BASIN, ASSOCIATED OUTLET STRUCTURES AND ALL OTHER MAINTENANCE PROCEDURES LISTED ABOVE. INSPECTIONS AND MAINTENANCE THAT ARE CONDUCTED SHALL BE DOCUMENTED AND FILED FOR FUTURE REVIEWS BY THE COUNTY SOIL & WATER DISTRICT. THESE RESPONSIBILITIES ARE FOR PERPETUITY AND APPLY TO ANY FUTURE OWNERS.

DRY EXTENDED DETENTION BASINS (DEDB'S) NATURALLY COLLECT SEDIMENT, INCLUDING GRAVEL, SAND, AND MUD, AS WELL AS OTHER DEBRIS LIKE LITTER. TO MAINTAIN ITS CAPACITY AND FUNCTION, THE BASIN SHOULD BE KEPT FREE OF EXCESSIVE DEBRIS, LITTER, AND SEDIMENT. THE DEDB SHOWN IN THESE PLANS SHOULD BE INSPECTED ANNUALLY TO ENSURE THE SYSTEM IS FREE OF SEDIMENT AND DEBRIS. THE OUTLET CONTROL STRUCTURE SHOULD BE VISUALLY INSPECTED AT THE INTERVALS INDICATED ABOVE AS MOST OF THE SEDIMENT AND DEBRIS WILL COLLECT WITHIN THESE STRUCTURES.

THE PROPERTY OWNER, ITS ADMINISTRATORS, EXECUTORS, SUCCESSORS, HEIRS OR ASSIGNS SHALL MAINTAIN THE STORMWATER CONTROL FACILITY OR FACILITIES IN GOOD WORKING CONDITION ACCEPTABLE TO THE COUNTY ENGINEER.

THE PROPERTY OWNER SHALL MAINTAIN COPIES OF COMPLETE DATED AND SIGNED INSPECTION CHECKLISTS IN A MAINTENANCE INSPECTION LOG, ALONG WITH RECORDED DATES AND DESCRIPTIONS OF MAINTENANCE ACTIVITIES PERFORMED TO REMEDY THE DEFICIENCIES OBSERVED DURING PRIOR INSPECTIONS. THE MAINTENANCE INSPECTION LOG SHALL BE KEPT ON THE PROPERTY AND SHALL BE MADE AVAILABLE TO THE COUNTY SOIL & WATER DISTRICT UPON REQUEST.

OTHER DEBRIS.

ONSTRUCTION

CTION ENTRANCE. CONTROLS INCLUDING SILT FENCE AND STOCKPILE AREA.

- - ECESSARY FOR THE INSTALLATION OF EROSION AND SEDIMENT CONTROL DEVICES. EWER. PROVIDE SILT FENCE ALONG THE DOWNHILL SIDE OF THE TRENCH. LIMIT
- TO TRENCH ONLY. ER (SEE PROFILES). INSTALL INLET PROTECTION AND OTHER INLET CONTROL DEVICES
- COMPLETED. FENCE. MAINTAIN EROSION CONTROL ITEMS & PROVIDE FOR WEEKLY STREET
- MAY BEGIN.
- /SEED & MULCH OR SOD DISTURBED AREAS PER SPECIFICATION.
- DIMENT CONTROL. SEDIMENT PONDS SHALL BE DRAINED AND CLEANED OF ANY

ROVIDE A SCHEDULE OF OPERATIONS TO THE OWNER. SEDIMENTATION AND EROSION BE PLACED IN ACCORDANCE WITH THIS SCHEDULE.

ES

- ECTIONS EVERY 7 DAYS AND INSPECTIONS WITHIN 24 HOURS AFTER EVERY RAIN R MORE WITHIN A 24 HOUR PERIOD.
- BE MADE BY QUALIFIED INSPECTION PERSONNEL.
- ST MUST BE COMPLETED AND SIGNED BY THE INSPECTOR AFTER EVERY INSPECTION. RDS SHALL BE KEPT FOR 3 YEARS AFTER THE TERMINATION OF CONSTRUCTION
- JIRE REPAIR OR MAINTENANCE, NON-SEDIMENT POND BMP'S SHALL BE REPAIRED PECTION AND SEDIMENT PONDS SHALL BE REPAIRED OR CLEANED OUT WITHIN 10
- 6. FOR BMP'S NOT MEETING THE INTENDED FUNCTION, A NEW BMP SHALL BE INSTALLED WITHIN 10 DAYS OF THE INSPECTION.
- 7. FOR MISSING BMP'S REQUIRED FOR INSTALLATION BY THE SWPPP, THE MISSING BMP'S SHALL BE INSTALLED WITHIN 10 DAYS OF INSPECTION

SEEDING & MULCHING GENERAL:

THE SEEDING, EITHER PERMANENT OR TEMPORARY, SHALL COMMENCE WITHIN 7 DAYS AFTER THE STREET AND LOT GRADING IS COMPLETED.

THE CONTRACTOR SHALL FURNISH ALL LABOR, EQUIPMENT, AND MATERIALS REQUIRED TO ACCOMPLISH BOTH TEMPORARY AND PERMANENT SEEDING.

ALL DITCHES, DIVERSIONS, SEDIMENT BASINS/TRAPS, RIGHT-OF-WAY AREAS, AND AREAS DISTURBED DURING CONSTRUCTION SHALL BE SEEDED AND MULCHED, OR SODDED.

THE LIMITS OF SEEDING AND MULCHING ARE AS SHOWN ON THE PLAN. SEEDING HAS BEEN ASSUMED TO A DISTANCE OF 5 FEET OUTSIDE THE WORK LIMITS OR RIGHT-OF-WAY, WHICHEVER IS GREATER. ALL AREAS NOT DESIGNATED TO BE SODDED SHALL REMAIN UNDER EXISTING GROUND COVER. THOSE AREAS DISTURBED OUTSIDE THE SEEDING LIMITS SHALL BE SEEDED AND MULCHED AT THE CONTRACTOR'S EXPENSE.

PAYMENT FOR TEMPORARY SEEDING SHALL BE INCLUDED UNDER "EROSION CONTROL".

OTHER EROSION AND SEDIMENT CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL THEY ARE ORDERED REMOVED BY THE ENGINEER OR AS DIRECTED BY THE ""SEQUENCE OF CONSTRUCTION".

MATERIALS:

ERMANENT SEEDING			
KIND OF SEED	SEEDING DATES	PER 1000 SQ FT	PER ACRE
a) CREEPING RED FESCUE, plus	MARCH - MAY AUG SEPT	1/2 LB.	20 LBS.
DOMESTIC RYE GRASS		1/4 LB.	10 LBS.
KENTUCKY BLUEGRASS		1/4 LB.	10 LBS.
b) TALL FESCUE	MARCH — MAY AUG — SEPT	1 LB.	40 LBS.
c) DWARF (TURF-TYPE) FESCUE	MARCH — MAY AUG — SEPT	1 LB.	40 LBS.
TEMPORARY SEEDING			
KIND OF SEED	SEEDING DATES	PER 1000 SQ FT	PER ACRE
a) OATS or PERENNIAL RYEGRASS	MARCH 1 – AUGUST 15	3 LBS. 1 LB.	40 BU. 40 LBS.
b) TALL FESCUE	MARCH 1 — AUGUST 15	1 LB	40 LBS.
c) RYE or	AUGUST 16 –	3 LBS.	2 BU.
WHEAT or	NOVEMBER 1	3 LBS.	2 BU.
PERENNIAL RYEGRASS		1 LB.	40 LBS.

AUGUST 16 –

LIME: AGRICULTURAL GROUND LIMESTONE.

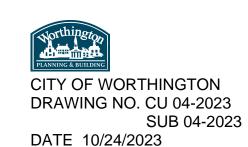
FERTILIZER: 10-10-10 ANALYSIS.

MULCH: HYDRO-MULCH.

d) TALL FESCUE

ASPHALT EMULSION: RAPID SETTING, RS1 OR RS2.

MULCH NETTING: JUTE, COTTON OR PLASTIC NETTINGS.



40 LBS.

INSTALLATI

GRADE AS NEE PREPARATION, OPERATION, SPI

- B. WHERE COMPAC ROOTING DEPTH
- C. FOR PERMANEN
- D. APPLY LIME AT FEET, OR TWO
- E. APPLY FERTILIZE
- SQUARE FEET, F. WORK THE LIME
- SUITABLE FIELD BE ON THE CON
- G. APPLY THE SEE MAY INCLUDE SE DEEPER THAN
- H. WHEN FEASIBLE FOLLOWING SEE OPERATIONS SH

I. APPLY MULCH SQUARE FEET.

J. SPREAD THE I

- K. ANCHOR MULCI MECHANI
 - THE MUI
- 2. ASPHAL APPLIED
- 3. MULCH WATER

MAINTENAN

IRRIGATION - IF GROWTH UNTIL THE THE PLANTING SEAS

REPAIRS - INSPE RESEEDINGS, AND R

 IF STAND IS IN MULCH.

 IF STAND IS PREPARATION.

STREET MAINTENANC THIS INCLUDES SWE

MAINTENAN

STREET GUTTERS.

IT IS THE CONTRAC THE SITE SHALL BI THESE INSPECTIONS SEDIMENT OR DEBR SHOULD A STRUCT ADDITIONAL COST T

ALL EROSION & SE DESIGN ENGINEER AN

INLET PROT

THE STRUCTURE SH REMOVED AND THE THE DESIGN DEPTH REMOVED SEDIMENT

STRUCTURES SHALL PROPERLY STABILIZE

SILT FENCE

SILT FENCES AND DURING PROLONGED

SHOULD THE FABRI END OF THE EXPEC PROMPTLY.

SEDIMENT DEPOSITS REACH APPROXIMAT

ANY SEDIMENT DEPO SHALL BE DRESSED

CONTRACT

DETAILS HAVE BEEN SEDIMENTATION CON ALTERNATIVE DETAIL CONTRACTOR SHALL CONTROL OF EROSIC IN COMPLIANCE WITH

THE CONTRACTOR S SEQUENCE OF THE CONTINUAL PROTECT

PRIOR TO CONSTRU FEATURES SHALL B BY THE ENGINEER.

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GRADING OR DURING THE CONTRACTOR IMMEDIATELY AVAILAE

THE CONTRACTOR EQUIPMENT IS MINIM

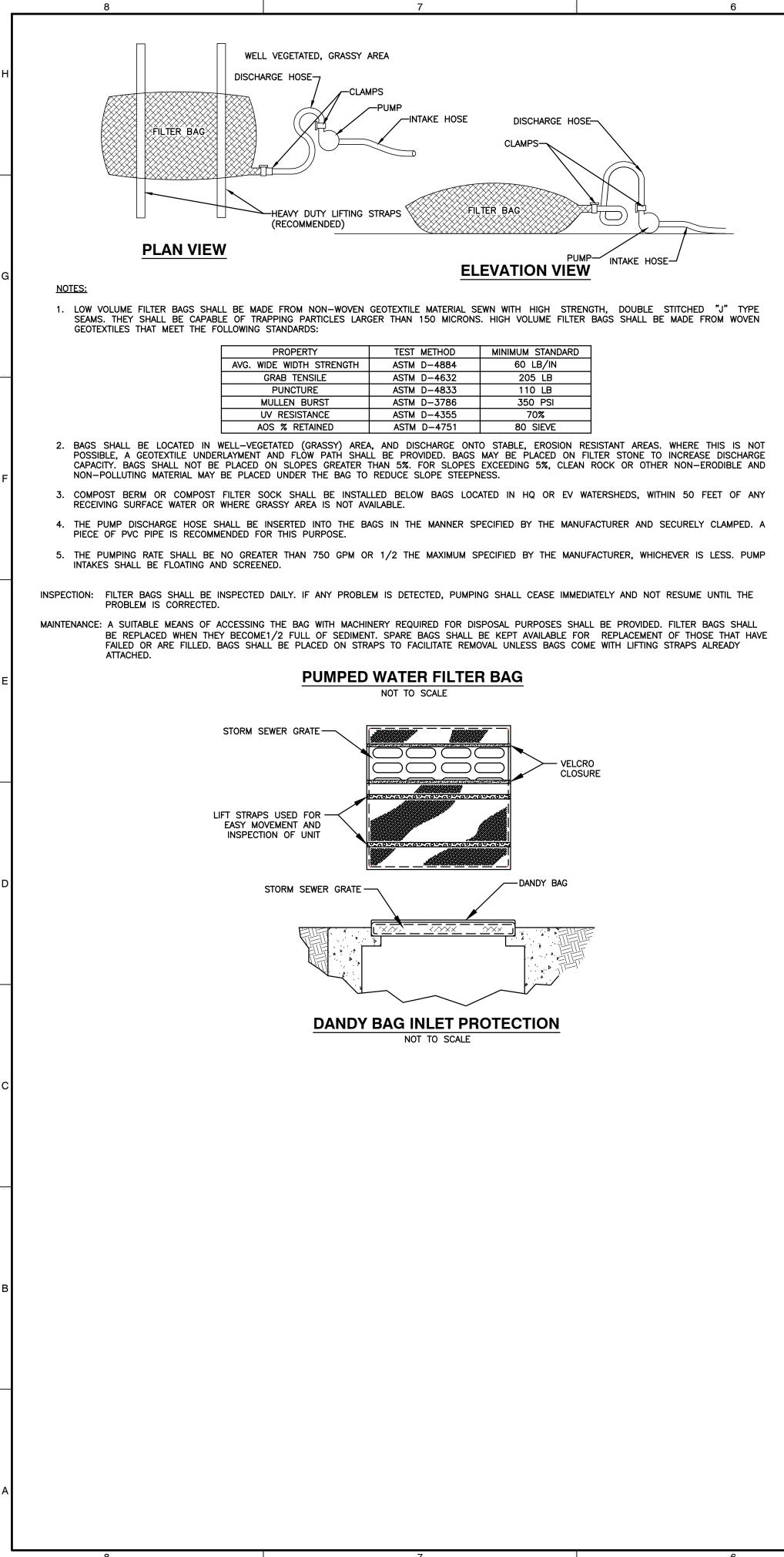
THE CONTRACTOR STORM WATER RUNG THROUGH A CONTRO CONCRETE INTO OF SWALES LEADING T AREAS; AFTER SOLIE

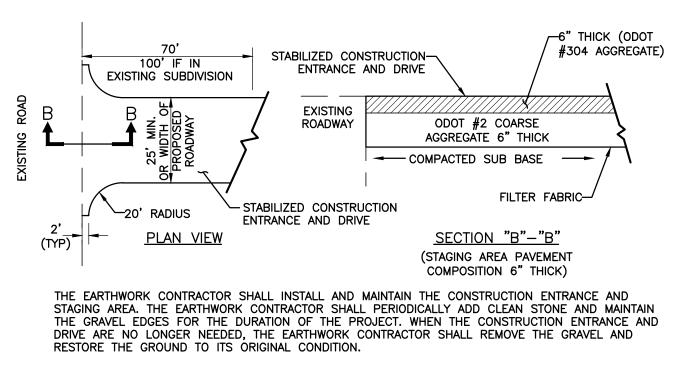
HUNTLEY RD IS TO WILL NOT BE PER CORRECTED. A WHEE

1 LB.

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ION:								
EDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED SEEDING, MULCH APPLICATION AND ANCHORING, AND MAINTENANCE. AFTER THE GRADING								
READ TOPSOIL WHERE NEEDED. CTED SOILS OCCUR, THEY SHOULD BE BROKEN UP SUFFICIENTLY TO CREATE A FAVORABLE								
1 OF 6-8 INCHES. NT SEEDING, PLACE TOPSOIL TO A DEPTH OF 4 INCHES MINIMUM.		7						
A RATE AS RECOMMENDED BY SOIL TESTS, OR AT A RATE OF 100 POUNDS PER 1,000 SQUARE TONS PER ACRE OF AGRICULTURAL GROUND LIMESTONE. FOR BEST RESULTS, MAKE A SOIL TEST.	CORD	ESCRIPTION						
ZER AT A RATE AS RECOMMENDED BY SOIL TESTS, OR AT A RATE OF 25 POUNDS PER 1,000 OR 1,000 POUNDS PER ACRE OF 10-10-10. FOR BEST RESULTS, MAKE A SOIL TEST.	N RE	DESC						
E AND FERTILIZER INTO THE SOIL WITH A DISK HARROW, SPRINGTOOTH HARROW, OR OTHER \odot EQUIPMENT TO A DEPTH OF THREE INCHES. ON SLOPING LAND, THE FINAL OPERATION SHALL INTOUR.	EVISION							
ED UNIFORMLY WITH A CYCLONE SEEDER, DRILL, CULTIPACKER SEEDER OR HYDROSEEDER (SLURRY SEED AND FERTILIZER), PREFERABLY ON A FIRM MOIST SEEDBED. SEED WHEAT OR RYE NO ONE INCH. SEED RYEGRASS NO DEEPER THAN ONE—FOURTH INCH.	RE							
, EXCEPT WHERE A CULTIPACKER—TYPE SEEDER IS USED, THE SEEDBED SHOULD BE FIRMED DING OPERATIONS WITH A CULTI—PACKER, ROLLER, OR LIGHT DRAG. ON SLOPING LAND SEEDING IOULD BE ON THE CONTOUR WHEREVER POSSIBLE.								_
AT A RATE OF TWO TONS PER ACRE OR 100 POUNDS (TWO TO THREE BALES) PER 1,000		DATE						
MULCH UNIFORMLY BY HAND OR MECHANICALLY SO THE SOIL SURFACE IS COVERED. CH BY ONE OF THE FOLLOWING METHODS:		0 N						
NCAL – USE A DISK, CRIMPER, OR SIMILAR TYPE TOOL SET STRAIGHT TO PUNCH OR ANCHOR JLCH MATERIAL INTO THE SOIL.				9	5	43085		
T EMULSION — APPLY A THE RATE OF 160 GALLONS PER ACRE INTO THE MULCH AS IT IS BEING).				ہ ب		НО		
NETTINGS – USE ACCORDING TO THE MANUFACTURER'S RECOMMEN-DATIONS. USE IN AREAS OF CONCENTRATION TO HOLD MULCH IN PLACE.				tott	onsultants	Worthington,		
	-			ľ		Vorth	-6808	
SOIL MOISTURE IS DEFICIENT, SUPPLY NEW SEEDINGS WITH ADEQUATE WATER FOR PLANT EY ARE FIRMLY ESTABLISHED. THIS IS ESPECIALLY TRUE WHEN SEEDINGS ARE MADE LATE IN SON, IN ABNORMALLY DRY AND HOT SEASONS, OR ON ADVERSE SITES.						•	œ	E
ICT ALL SEEDED AREAS FOR FAILURES AND MAKE NECESSARY REPAIRS, REPLACEMENTS, REMULCHING WITHIN THE PLANTING SEASON, IF POSSIBLE.								cecinc com
IADEQUATE, OVERSEED AND FERTILIZE, USING HALF OF THE RATES ORIGINALLY APPLIED, AND					Ien	•	633 .	ww.cec
OVER 60% DAMAGED, REESTABLISH FOLLOWING ORIGINAL LIME, FERTILIZER, SEEDBED SEEDING RECOMMENDATIONS, AND MULCHING RECOMMENDATIONS.	ļ					je Road	614-540-663	$\mathbf{\hat{s}}$
CE — WEEKLY STREET CLEANING IS REQUIRED THROUGH THE DURATION OF THIS PROJECT. EEPING, POWER-CLEANING, AND MANUAL (IF NECESSARY) REMOVAL OF DIRT OR MUD IN THE				Turinommonium I		ш	614-∶	
ICE NOTES				و 1		Old Wilson		
CTOR'S RESPONSIBILITY TO MAINTAIN THE SEDIMENT CONTROL FEATURES USED ON THIS PROJECT. BE INSPECTED PERIODICALLY AND WITHIN 24 HOURS OF A SIGNIFICANT RAINFALL. RECORDS OF S SHALL BE KEPT AND MADE AVAILABLE TO JURISDICTIONAL AGENCIES IF REQUESTED. ANY RIS WHICH HAS REDUCED THE EFFICIENCY OF A STRUCTURE SHALL BE REMOVED IMMEDIATELY. TURE OR FEATURE BECOME DAMAGED, THE CONTRACTOR SHALL REPAIR OR REPLACE AT NO O THE OWNER.						250 W. Old		
EDIMENT CONTROL PRACTICES ARE SUBJECT TO FIELD MODIFICATION AT THE DIRECTION OF THE AND/OR OHIO EPA.			';					
ECTION (IP)								
HALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NEEDED. SEDIMENT SHALL BE TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO ½ OF THE TRAP.		C L	л Ц		Z O Z	OHO		
SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE. BE REMOVED AND THE AREA STABILIZED WHEN THE REMAINING DRAINAGE AREA HAS BEEN ED.			A 2		5 2	<u></u>	•	
: (SF)				Ķ		N N		
FILTER BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY RAINFALL, ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.		(ין כי	Ц Ц	NOR N	000		
IC ON A SILT FENCE OR FILTER BARRIER DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE ICTED USABLE LIFE AND THE BARRIER IS STILL NECESSARY, THE FABRIC SHALL BE REPLACED		L L			≶ ⊥	Z		
S SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS ELY ONE-HALF THE HEIGHT OF THE					0	I XI		
OSITS REMAINING IN PLACE AFTER THE SILT FENCE OR FILTER BARRIER IS NO LONGER REQUIRED TO CONFORM WITH THE EXISTING GRADE, PREPARED AND SEEDED.				D C C		FRAN		
OR RESPONSIBILITIES			 ₽	l		Ĩ		
N PROVIDED ON THIS PLAN IN AN EFFORT TO HELP THE CONTRACTOR PROVIDE EROSION AND NTROL. THE DETAILS SHOWN ON THE PLAN SHALL BE CONSIDERED A MINIMUM. ADDITIONAL OR		F	L_ —					
LS MAY BE FOUND IN THE O.D.N.R. MANUAL "RAINWATER AND LAND DEVELOPMENT." THE BE SOLELY RESPONSIBLE FOR PROVIDING NECESSARY AND ADEQUATE MEASURES FOR PROPER ION AND SEDIMENT RUNOFF FROM THE SITE ALONG WITH PROPER MAINTENANCE AND INSPECTION H NPDES GENERAL PERMIT FOR STORM DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY.					HQL	HQL	ம்ப	DRAFT
SHALL PROVIDE A SCHEDULE OF OPERATIONS TO THE OWNER. THE SCHEDULE SHOULD INCLUDE A PLACEMENT OF THE SEDIMENTATION AND EROSION CONTROL MEASURES THAT PROVIDES FOR TION OF THE SITE THROUGHOUT THE EARTH MOVING ACTIVITIES.		IROL						
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NECESSARY TO REMOVE PORTIONS OF SEDIMENTATION CONTROLS DURING CONSTRUCTION TO ADING OPERATIONS IN CERTAIN AREAS. HOWEVER, THE CONTROLS SHALL BE REPLACED UPON G INCLEMENT WEATHER.		H			DRAWN BY:	CHECKED BY:		
SHALL BE RESPONSIBLE TO HAVE THE CURRENT STORM WATER POLLUTION PREVENTION PLAN BLE OR POSTED ON SITE.		SEDIMEN	ETAI		23	Ś		
SHALL BE RESPONSIBLE TO ENSURE THAT OFF-SITE TRACKING OF SEDIMENTS BY VEHICLES AND MIZED. ALL SUCH OFF-SITE SEDIMENT SHALL BE CLEANED UP DAILY.		& SE			BER	N.T.		
SHALL BE RESPONSIBLE TO ENSURE THAT NO SOLID OR LIQUID WASTE IS DISCHARGED INTO OFF. UNTREATED SEDIMENT-LADEN RUNOFF SHALL NOT FLOW OFF SITE WITHOUT BEING DIRECTED OL PRACTICE. CONCRETE TRUCKS WILL NOT BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS R ALONGSIDE RIVERS, STREAMS, OR CREEKS OR INTO NATURAL OR MAN-MADE CHANNELS OR HERETO. CONCRETE WASTE MATER AND SURPLUS CONCRETE SHALL BE CONFINED TO APPROVED		EROSION			0000			÷
DIFYING, THESE WASTE MATERIALS SHALL BE REMOVED FROM THE SITE. BE SWEPT WHENEVER THERE IS TRACKING OF MUD OR DIRT ON ROAD. TRACKING OF SEDIMENT RMITTED AND WILL CAUSE THE CLOSURE OF THE TEMPORARY CONSTRUCTION ACCESS UNTIL		EB			ш.	DWG SCALE:		APPROVED BY:
EL WASH MAY BE REQUIRED AT THE OEPA'S DISCRETION.	DRA	WING	A NO.:		DATE:	DWC	PRC	APP
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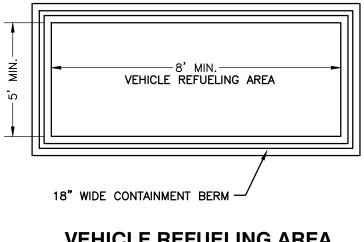
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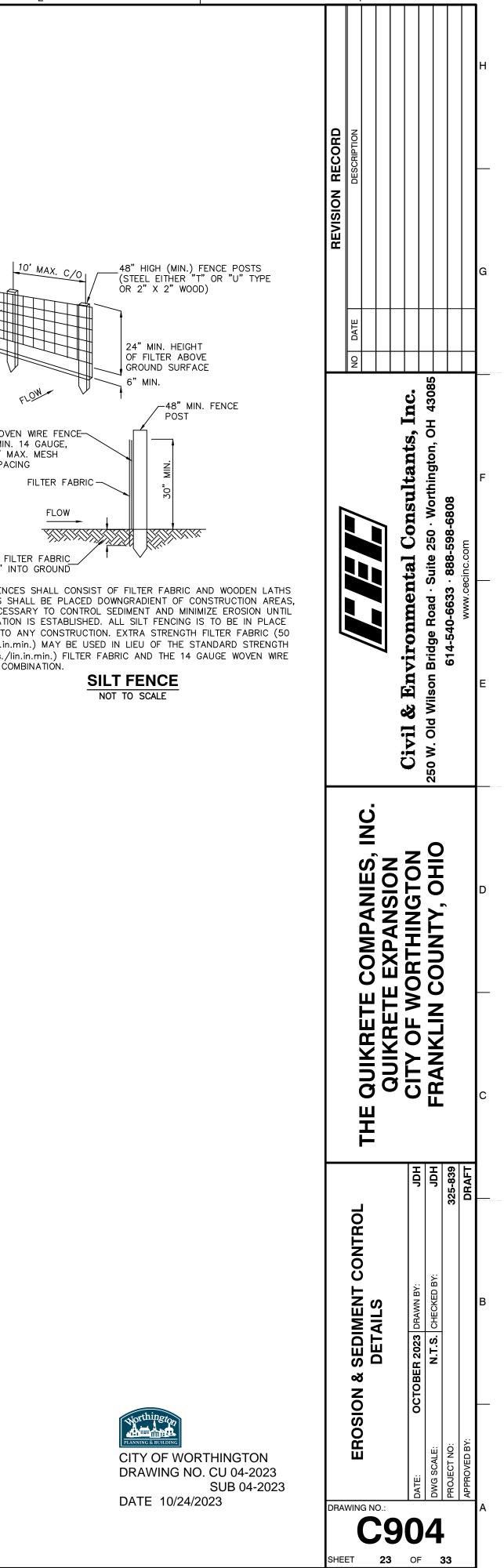








VEHICLE REFUELING AREA NOT TO SCALE



1

FLOW WOVEN WIRE FENCE (MIN. 14 GAUGE, 6" MAX. MESH SPACING FILTER FABRIC-FLOW -----

EMBED FILTER FABRIC MIN. 6" INTO GROUND

SILT FENCES SHALL CONSIST OF FILTER FABRIC AND WOODEN LATHS FENCES SHALL BE PLACED DOWNGRADIENT OF CONSTRUCTION AREAS, AS NECESSARY TO CONTROL SEDIMENT AND MINIMIZE EROSION UNTIL VEGETATION IS ESTABLISHED. ALL SILT FENCING IS TO BE IN PLACE PRIOR TO ANY CONSTRUCTION. EXTRA STRENGTH FILTER FABRIC (50 Ibs./lin.in.min.) MAY BE USED IN LIEU OF THE STANDARD STRENGTH (30 lbs./lin.in.min.) FILTER FABRIC AND THE 14 GAUGE WOVEN WIRE FENCE COMBINATION.

SILT FENCE

PROJECT SUMMARY

LOCAL BRIDGE CONSULTANT

- NAME = Patrick Herl
- EMAIL = Patrick.Herl@conteches.com
- PHONE NUMBER = 614-310-8770

STRUCTURE DETAILS

- STRUCTURE #75
- STRUCTURE SPAN = 24'-0"
- STRUCTURE RISE = 5'-9"
- LOAD = HL-93
- SHELL TYPE = R1
- MIN COVER = 2.2 (ft)
- MAX COVER = 5 (ft)

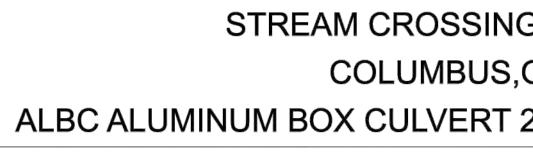
FOUNDATIONS

FOUNDATION TYPE = BASE SLAB

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DYO32333 QUIKRETE



DYOB

DRAWING



3. ONLY CONTECH ENGINEERED SOLUTIONS LLC, THE ALUMINUM BOX CULVERT (ALBC) APPROVED MANUFACTURER IN THE PROJECT STATE, MAY PROVIDE THE STRUCTURE DESIGNED IN ACCORDANCE WITH THESE PLANS.

4.

NOTES

1. THIS BRIDGE HAS BEEN DESIGNED FOR GENERAL SITE CONDITIONS. THE PROJECT ENGINEER SHALL BE RESPONSIBLE FOR THE STRUCTURE'S SUITABILITY TO THE EXISTING SITE CONDITIONS AND FOR THE HYDRAULIC EVALUATION --INCLUDING SCOUR AND CONFIRMATION OF SOIL CONDITIONS.



ALBC ALUMINUM BOX CULVERT DYO STREAM CROSSING BRIDGE

Worthington

CITY OF WORTHINGTON DRAWING NO. CU 04-2023 SUB 04-2023 DATE 10/24/2023

2. PRIOR TO CONSTRUCTION, CONTRACTOR MUST VERIFY ALL ELEVATIONS SHOWN THROUGH THE ENGINEER.

THIS DYOB DRAWING IS A CONCEPTUAL DESIGN. PLEASE WORK WITH YOUR LOCAL BRIDGE CONSULTANT FOR FURTHER SOLUTION DEVELOPMENT AND PRICING.

EXPANSION	PROJECT No.: 21905	DYO N 323		DATE: 07/12/	/2023
G BRIDGE	DESIGNED: DYO		DRAW	^{/N:} DYO	
ОН	CHECKED: DYO		APPR	OVED: DYO	
24'-0" SPAN X 5'-9" RISE	SHEET NO .:	24	O	F	33

STANDARDS AND DEFINITIONS 1.0

- 1.1 STANDARDS ALL STANDARDS REFER TO LATEST EDITION UNLESS OTHERWISE NOTED.
- ASTM B-864 "STANDARD SPECIFICATION FOR CORRUGATED 1.1.1 ALUMINUM BOX CULVERTS" (AASHTO DESIGNATION M-219).
- 1.1.2 AASHTO LRFD SPECIFICATION FOR HIGHWAY BRIDGES - SECTION 12 **DIVISION I - DESIGN.**
- AASHTO LRFD SPECIFICATION FOR HIGHWAY BRIDGES SECTION 26 1.1.3 **DIVISION II - CONSTRUCTION.**

DEFINITIONS 1.2

- 1.2.1 **OWNER - IN THESE SPECIFICATIONS THE WORD "OWNER" SHALL MEAN** XXXX
- ENGINEER IN THESE SPECIFICATIONS THE WORD "ENGINEER" SHALL 1.2.2 MEAN THE ENGINEER OF RECORD OR OWNER'S DESIGNATED ENGINEERING REPRESENTATIVE.
- MANUFACTURER IN THESE SPECIFICATIONS THE WORD "MANUFACTURER" 1.2.3 SHALL MEAN CONTECH ENGINEERED SOLUTIONS, LLC 800-338-1122.
- CONTRACTOR IN THESE SPECIFICATIONS THE WORD "CONTRACTOR" SHALL 1.2.4 MEAN THE FIRM OR CORPORATION UNDERTAKING THE EXECUTION OF ANY INSTALLATION WORK UNDER THE TERMS OF THESE SPECIFICATIONS.
- APPROVED IN THESE SPECIFICATIONS THE WORD "APPROVED" SHALL 1.2.5 REFER TO THE APPROVAL OF THE ENGINEER OR HIS DESIGNATED REPRESENTATIVE.
- AS DIRECTED IN THESE SPECIFICATIONS THE WORDS "AS DIRECTED" 1.2.6 SHALL REFER TO THE DIRECTIONS TO THE CONTRACTOR FROM THE OWNER OR HIS DESIGNATED REPRESENTATIVE.

GENERAL CONDITIONS 2.0

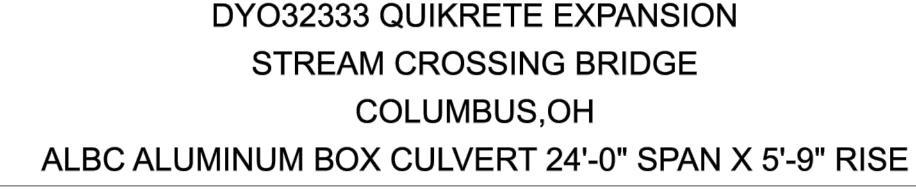
- 2.1 THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIAL AND EQUIPMENT AND PERFORM ALL WORK AND SERVICES EXCEPT THOSE SET OUT AND FURNISHED BY THE OWNER, NECESSARY TO COMPLETE IN A SATISFACTORY MANNER THE SITE PREPARATION, EXCAVATION, FILLING, COMPACTION, GRADING AS SHOWN ON THE PLANS AND AS DESCRIBED THEREIN. THIS WORK SHALL CONSIST OF ALL MOBILIZATION CLEARING AND GRADING, GRUBBING, STRIPPING, REMOVAL OF EXISTING MATERIAL UNLESS OTHERWISE STATED, PREPARATION OF THE LAND TO BE FILLED, FILLING OF THE LAND, SPREADING AND COMPACTION OF THE FILL, AND ALL SUBSIDIARY WORK NECESSARY TO COMPLETE THE GRADING OF THE CUT AND FILL AREAS TO CONFORM WITH THE LINES, GRADES, SLOPES, AND SPECIFICATIONS. THIS WORK IS TO BE ACCOMPLISHED UNDER THE OBSERVATION OF THE OWNER OR HIS DESIGNATED REPRESENTATIVE.
- 2.2 PRIOR TO BIDDING THE WORK, THE CONTRACTOR SHALL EXAMINE, INVESTIGATE AND INSPECT THE CONSTRUCTION SITE AS TO THE NATURE AND LOCATION OF THE WORK, AND THE GENERAL AND LOCAL CONDITIONS AT THE CONSTRUCTION SITE, INCLUDING WITHOUT LIMITATION, THE CHARACTER OF SURFACE OR SUBSURFACE CONDITIONS AND OBSTACLES TO BE ENCOUNTERED ON AND AROUND THE CONSTRUCTION SITE AND SHALL MAKE SUCH ADDITIONAL INVESTIGATION AS HE MAY DEEM NECESSARY FOR THE PLANNING AND PROPER EXECUTION OF THE WORK.

IF CONDITIONS OTHER THAN THOSE INDICATED ARE DISCOVERED BY THE CONTRACTOR. THE OWNER SHALL BE NOTIFIED IMMEDIATELY. THE MATERIAL WHICH THE CONTRACTOR BELIEVES TO BE A CHANGED CONDITION SHALL NOT BE DISTURBED SO THAT THE OWNER CAN INVESTIGATE THE CONDITION.

- 2.3 THE CONSTRUCTION SHALL BE PERFORMED UNDER THE DIRECTION OF THE ENGINEER.
- 2.4 ALL ASPECTS OF THE STRUCTURE DESIGN AND SITE LAYOUT INCLUDING FOUNDATIONS, BACKFILL, END TREATMENTS AND NECESSARY SCOUR CONSIDERATION SHALL BE PERFORMED BY THE ENGINEER.

ANY INSTALLATION GUIDANCE PROVIDED HEREIN SHALL BE ENDORSED BY THE ENGINEER OR SUPERSEDED BY THE ENGINEER'S PLANS AND SPECIFICATIONS.

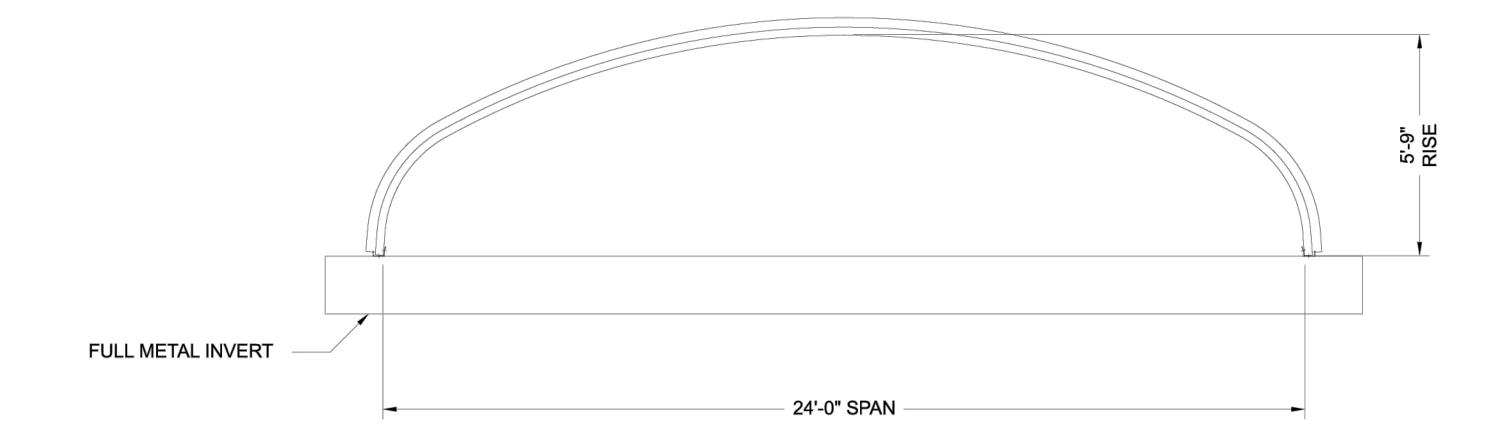
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as site work progresses, these discrepancies must be reported to Contech immediately for re-evaluation of the design. Contech	9025 Centre Pointe Dr., Suite 400
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CROSS SECTION



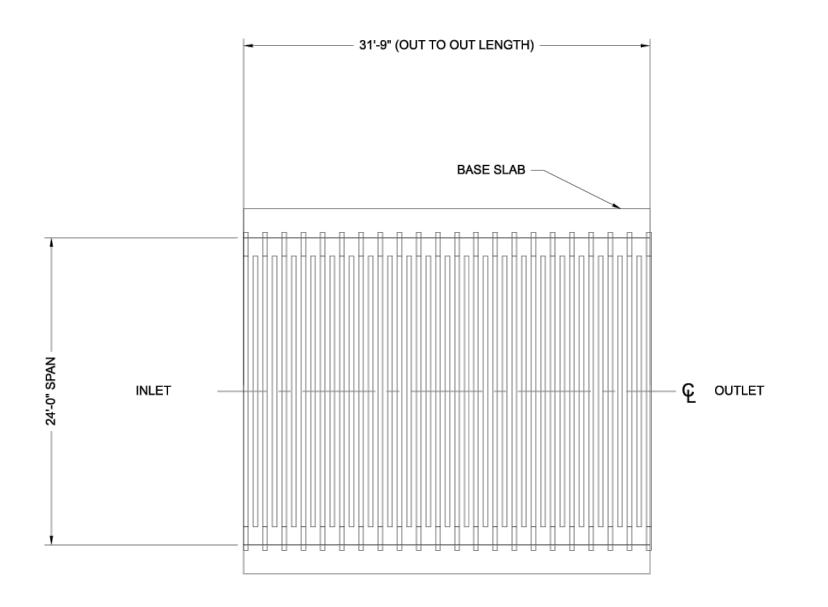
PROJECT №.: 21905	DYO №.: 32333		date: 07/12/2023
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SHEET NO .:	25	O	- 33



Northington CITY OF WORTHINGTON DRAWING NO. CU 04-2023 SUB 04-2023 DATE 10/24/2023

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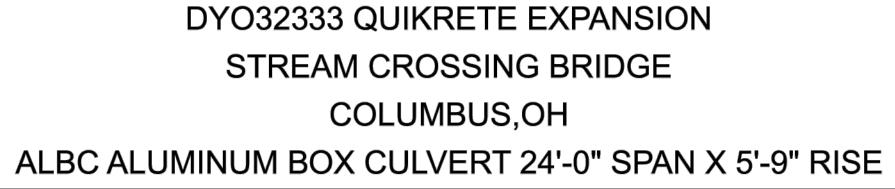


BRIDGE PLAN





DYOB DRAWING



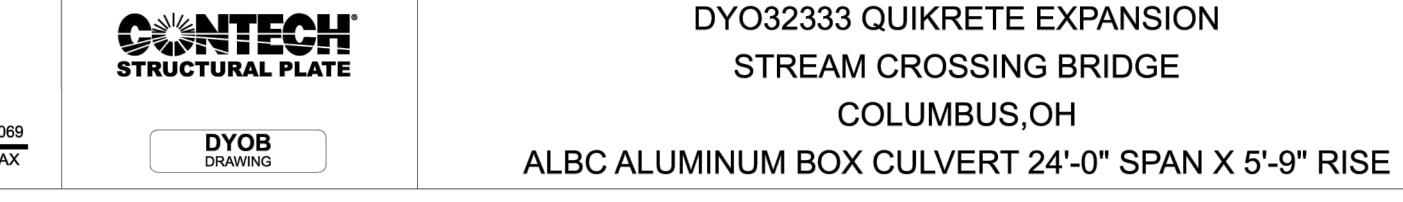
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Northingto CITY OF WORTHINGTON DRAWING NO. CU 04-2023 SUB 04-2023 DATE 10/24/2023

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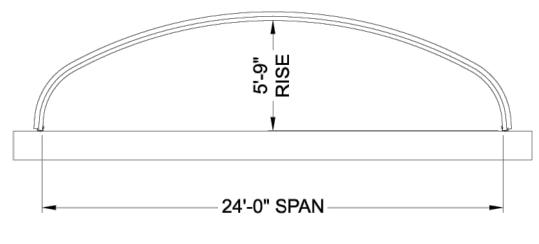
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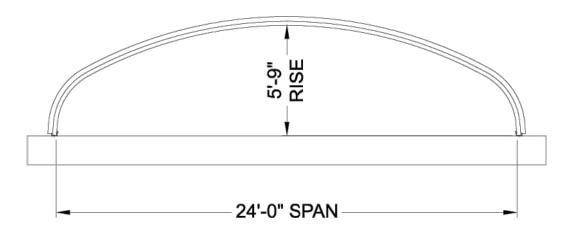




OUTLET END ELEVATION



INLET END ELEVATION



PROJECT No.: DYO No.: DATE: 21905 32333 07/12/2023 DESIGNED: DRAWN: DYO DYO CHECKED: APPROVED: DYO DYO SHEET NO .: 27 33 OF

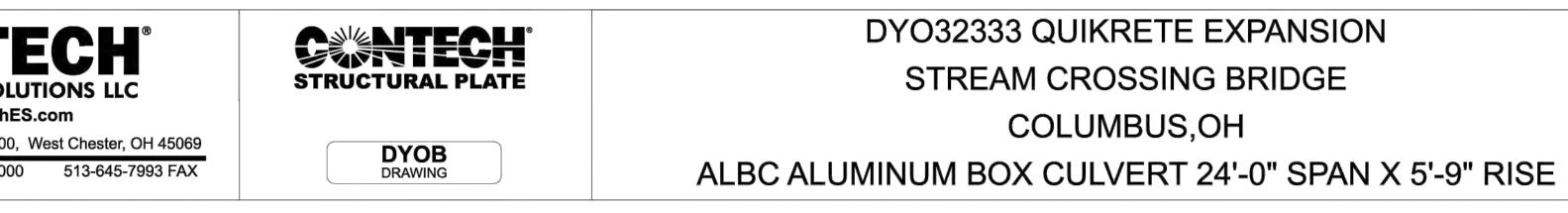


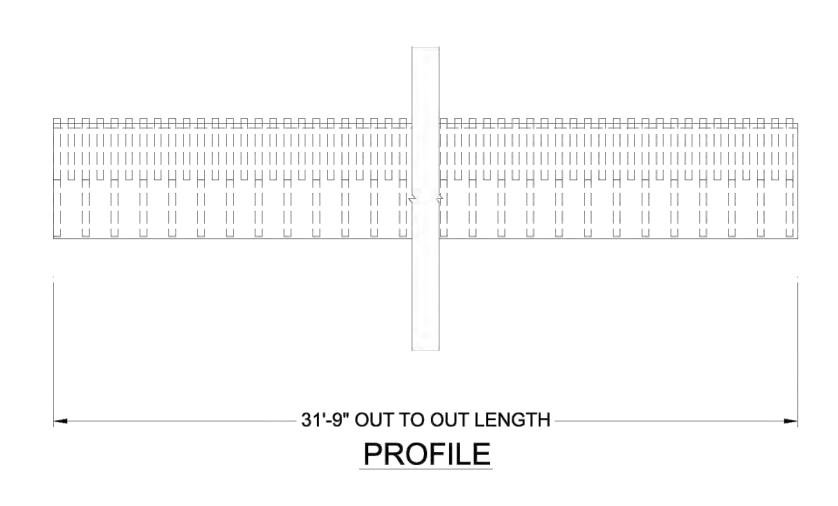
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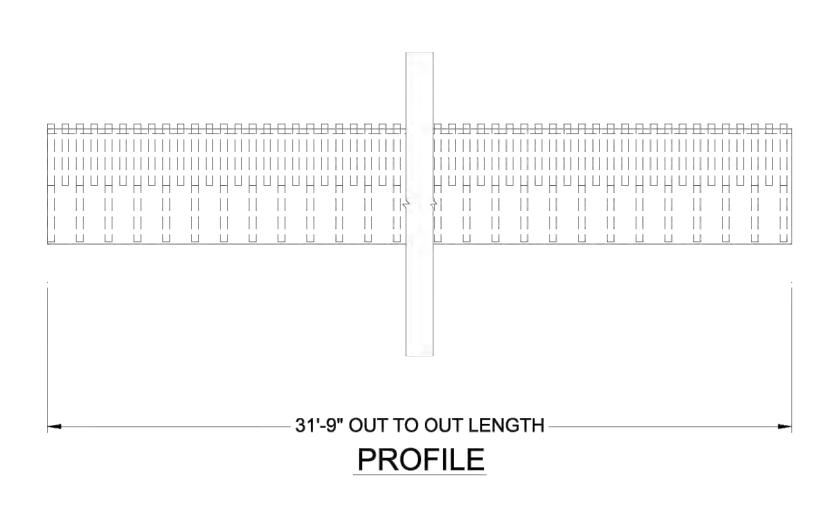


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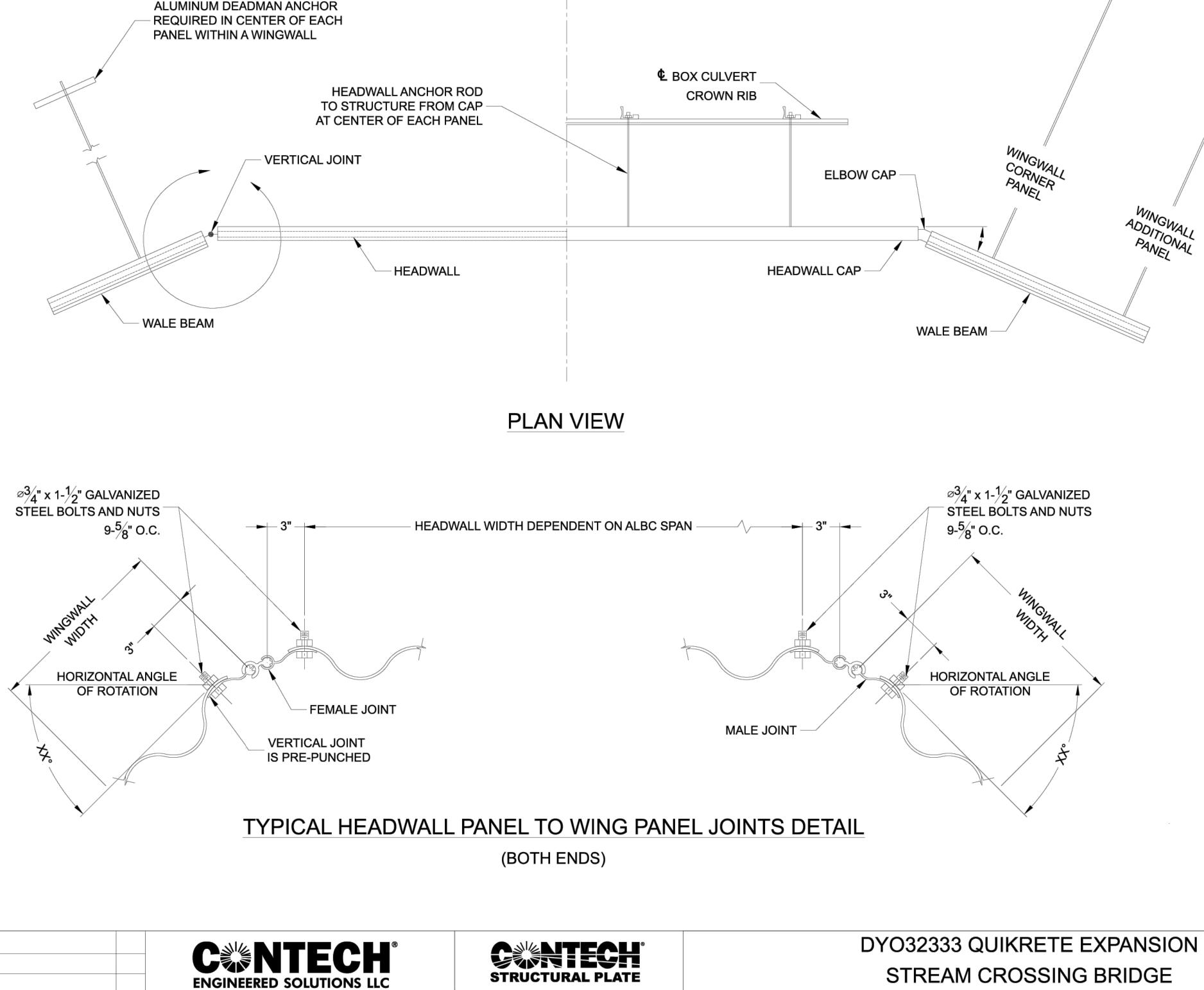


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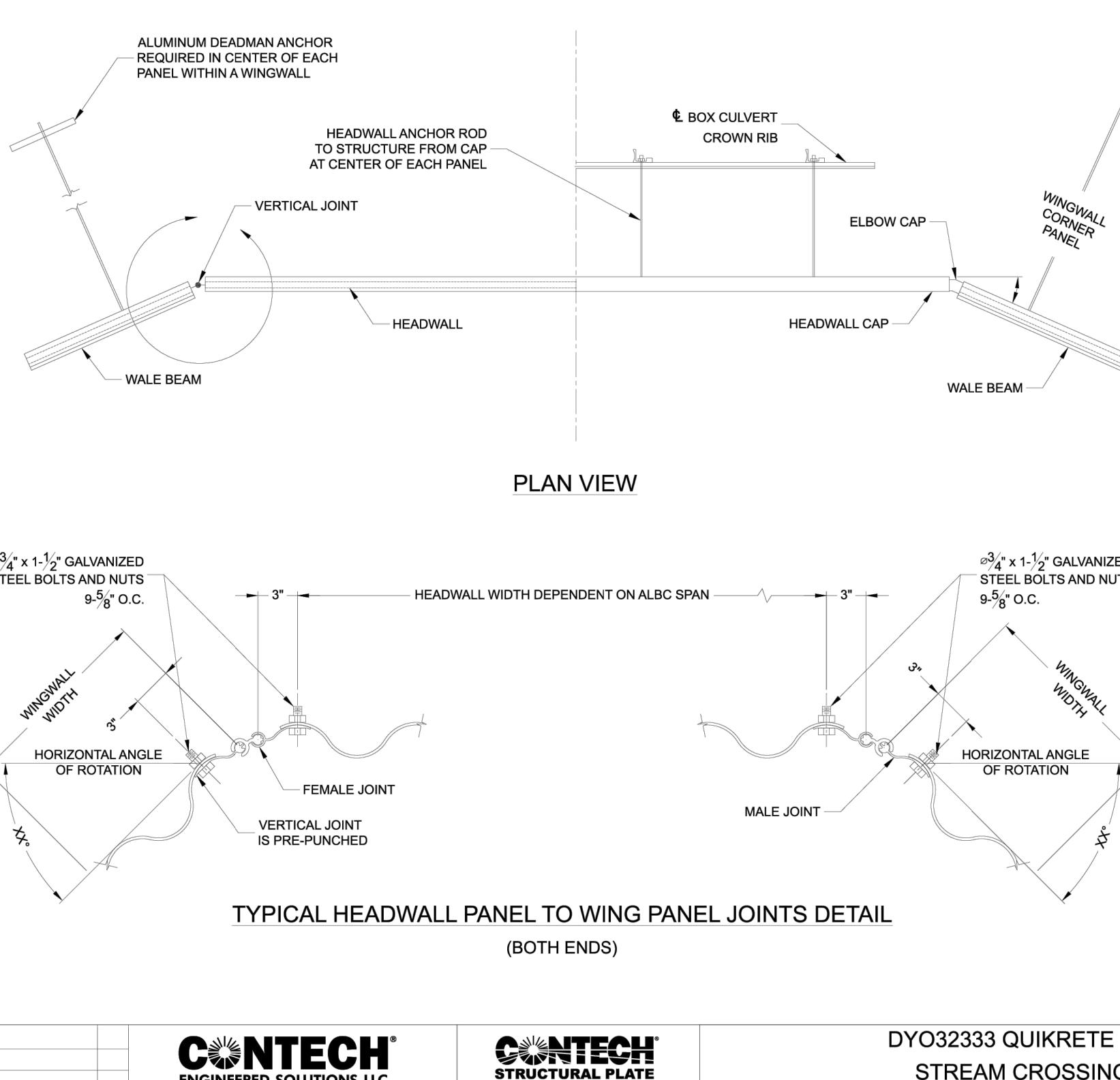
CITY OF WORTHINGTON DRAWING NO. CU 04-2023 SUB 04-2023 DATE 10/24/2023





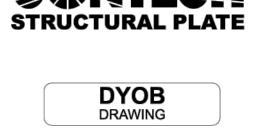
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COLUMBUS,OH ALBC ALUMINUM BOX CULVERT 24'-0" SPAN X 5'-9" RISE

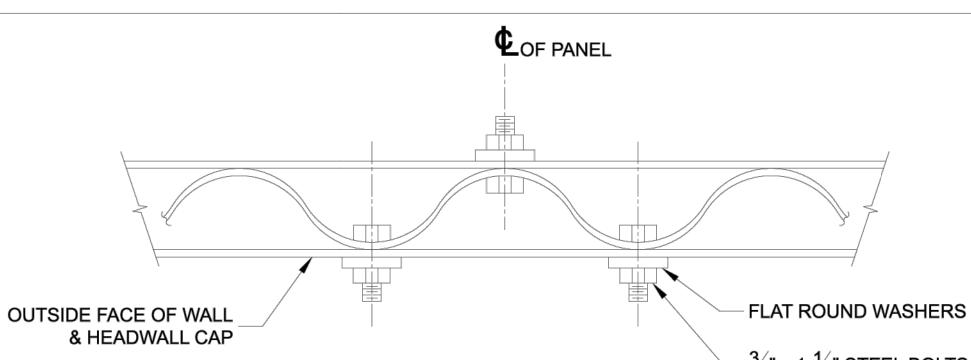
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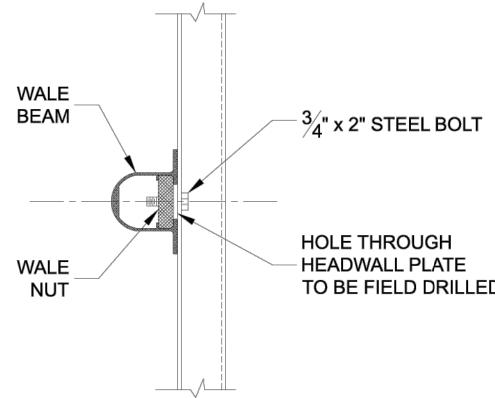
CITY OF WORTHINGTON DRAWING NO. CU 04-2023 SUB 04-2023 DATE 10/24/2023



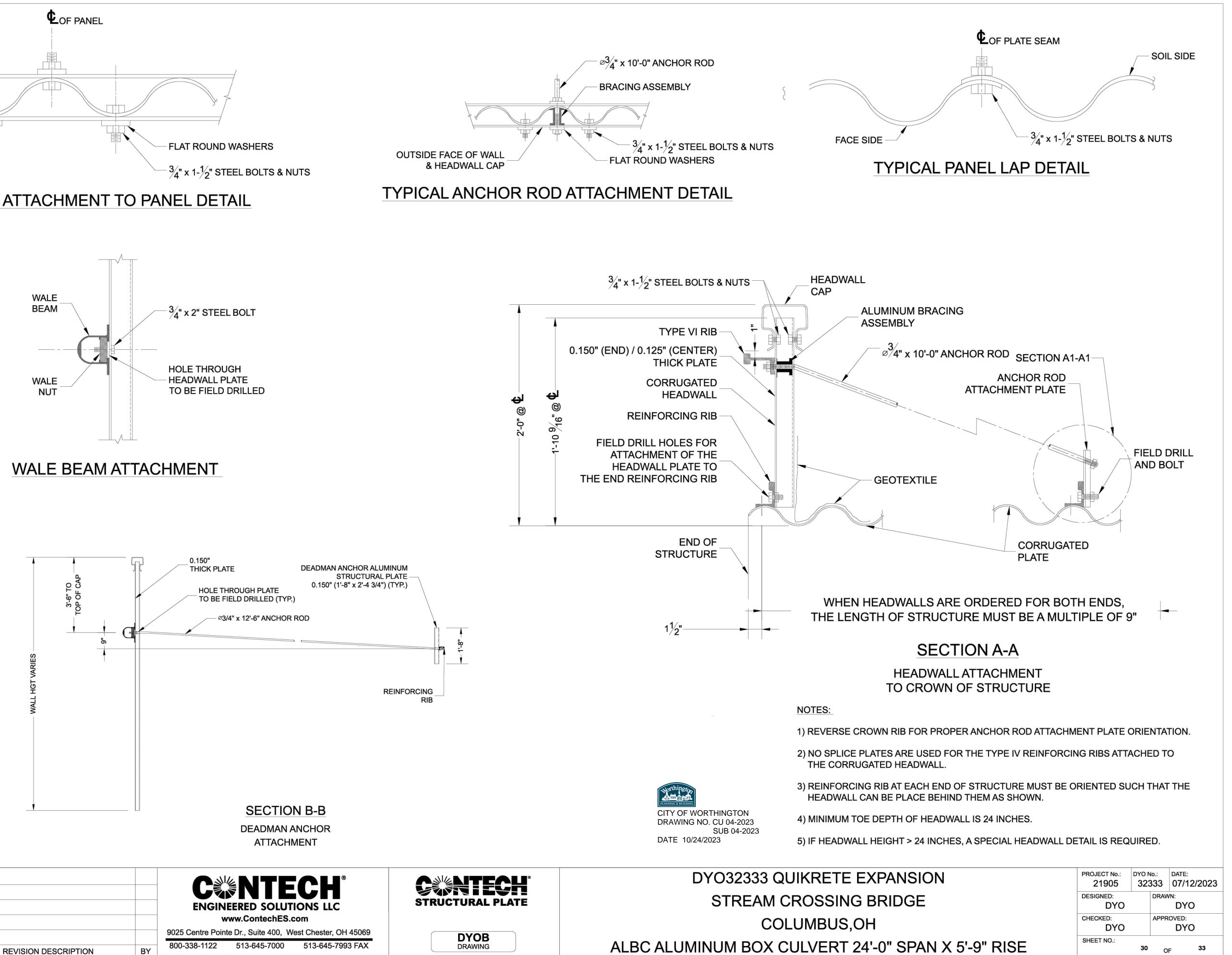
ANCHORS WINGWALL ADDITIONAL PANEL



HEADWALL CAP AT ATTACHMENT TO PANEL DETAIL



WALE BEAM ATTACHMENT

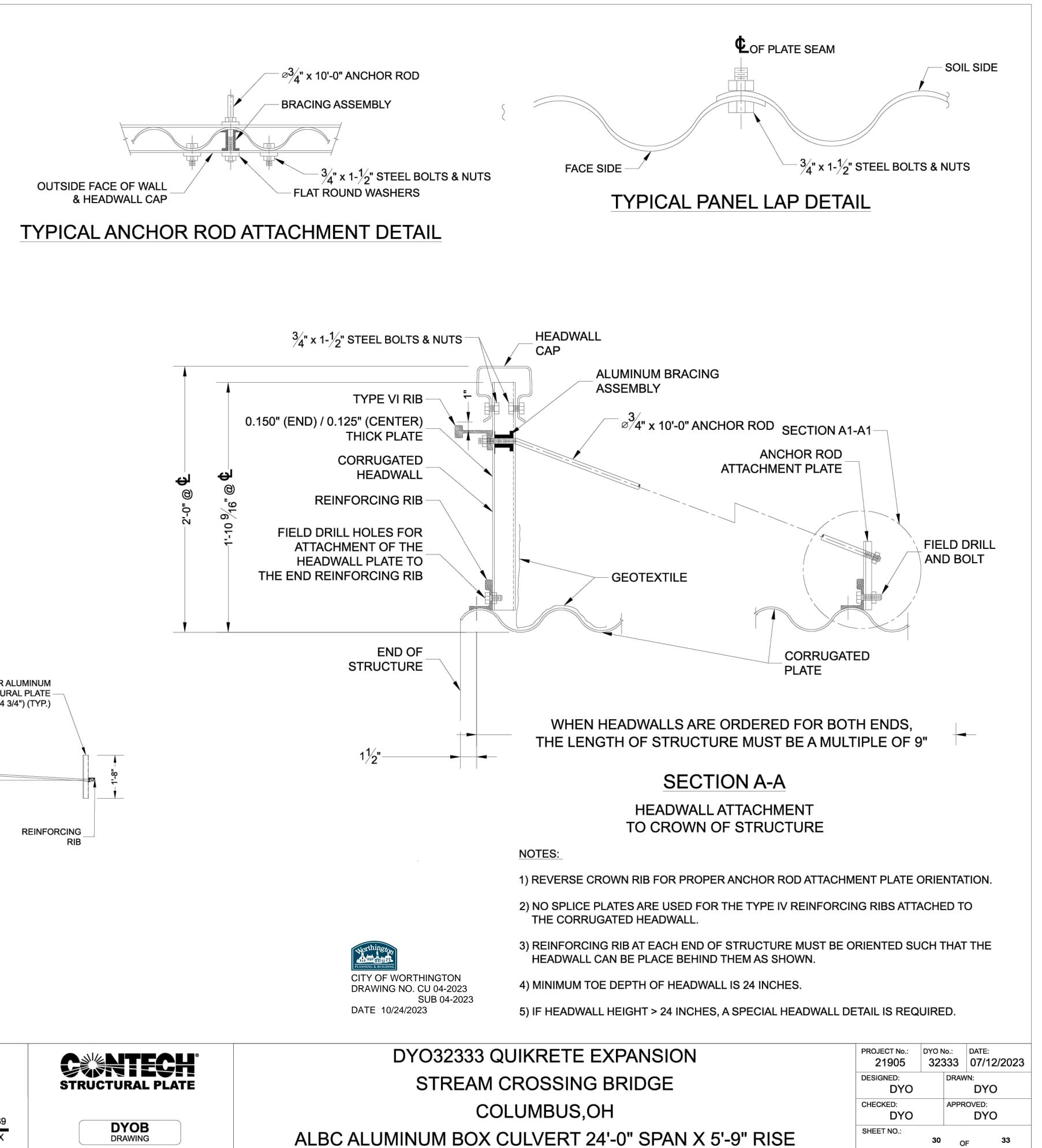


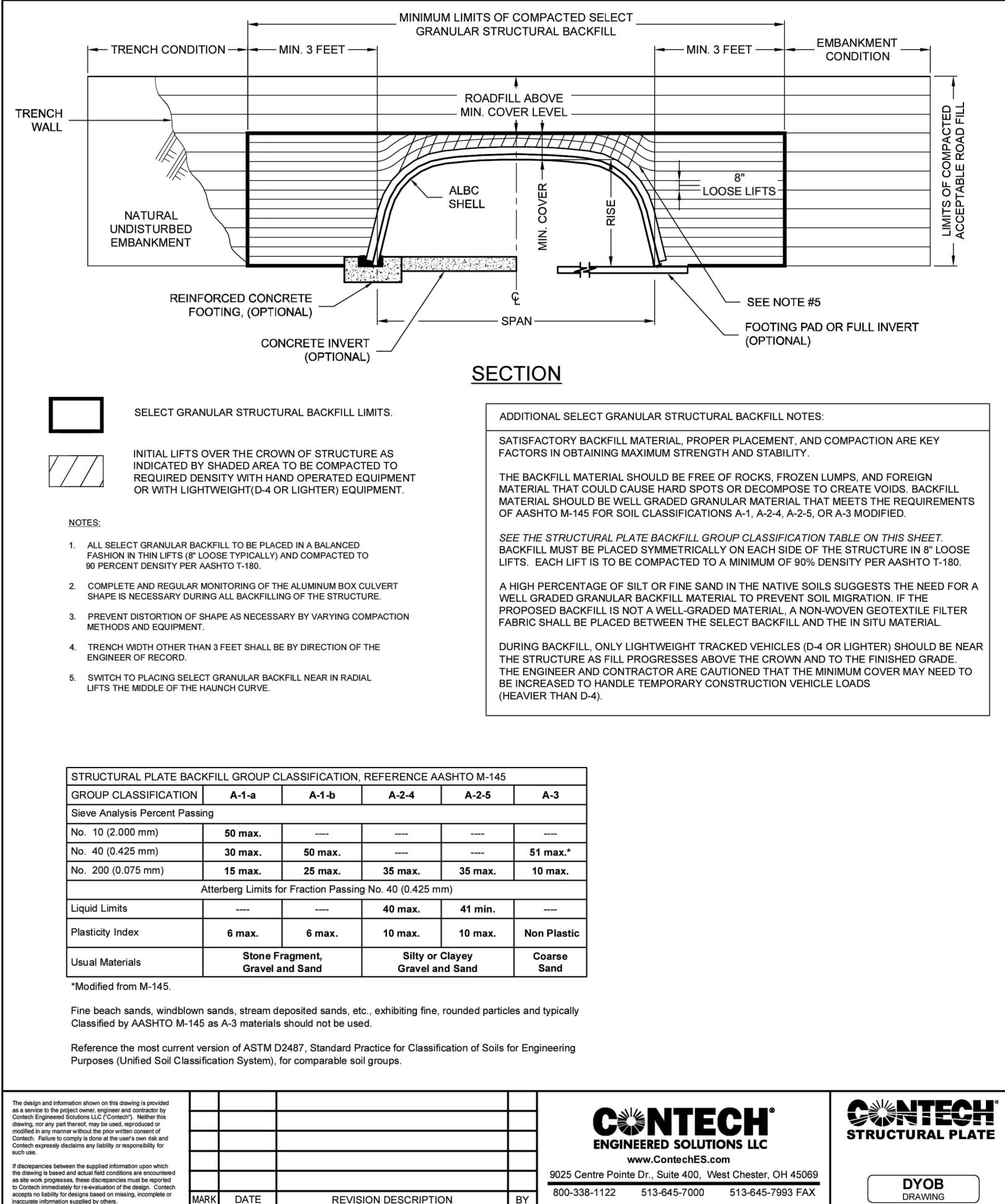
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naccurate information supplied by others.

- 1.0 STANDARDS AND DEFINITIONS
 - 1.1 STANDARDS All standards refer to the current ASTM/AASHTO edition unless otherwise noted.
 - 1.1.1 ASTM B-864 "Standard Specification for Corrugated Aluminum Box C (AASHTO Designation M-219).
- 1.1.2 AASHTO Standard Specification for Highway Bridges Section 12 Division I - Design, AASHTO LRFD Bridge Design Specifications Section 12.
- 1.1.3 AASHTO Standard Specification for Highway Bridges Section 26 Division II - Construction, AASHTO LRFD Bridge Construction Specifications - Section 26. ASTM B789, Standard Practice for Installing Corrugated Aluminum Structural Plate Pipe.

1.2 DEFINITIONS

- 1.2.1 Owner In these specifications the word "Owner" shall mean
- 1.2.2 Engineer In these specifications the word "Engineer" shall mean the Engineer of Record or Owner's designated engineering represent
- 1.2.3 Manufacturer In these specifications the word "Manufacturer" shall mean CONTECH ENGINEERED SOLUTIONS 800-338-1122
- 1.2.4 Contractor In these specifications the word "Contractor" shall mean the firm or corporation undertaking the execution of any installation work under the terms of these specifications.
- 1.2.5 Approved In these specifications the word "approved" shall refer to the approval of the Engineer or his designated representative.
- 1.2.6 As Directed In these specifications the words "as directed" shall refe the directions to the Contractor from the Owner or his designated representative.
- 2.0 GENERAL CONDITIONS
 - 2.1 Any installation guidance provided herein shall be endorsed by the engineer; discrepancies herein are governed by the Engineer's plans specifications.
 - 2.2 The Contractor shall furnish all labor, material and equipment and perform all work and services except those set out and furnished by th Owner, necessary to complete in a satisfactory manner the site preparation, excavation, filling, compaction, grading as shown on the plans and as described therein. This work shall consist of all mobilization clearing and grading, grubbing, stripping, removal of existing material unless otherwise stated, preparation of the land to be filled, filling of spreading and compaction of the fill, and all subsidiary work necessar complete the grading of the cut and fill areas to conform with the lines grades, slopes, and specifications. This work is to be accomplished un the observation of the Owner or his designated representative.
 - 2.3 Prior to bidding the work, the Contractor shall examine, investigate an inspect the construction site as to the nature and location of the work the general and local conditions at the construction site, including with limitation, the character of surface or subsurface conditions and obsta to be encountered on and around the construction site and shall make such additional investigation as he may deem necessary for the plann and proper execution of the work.

If conditions other than those indicated are discovered by the Contract the Owner shall be notified immediately. The material which the Contractor believes to be a changed condition shall not be disturbed that the owner can investigate the condition.

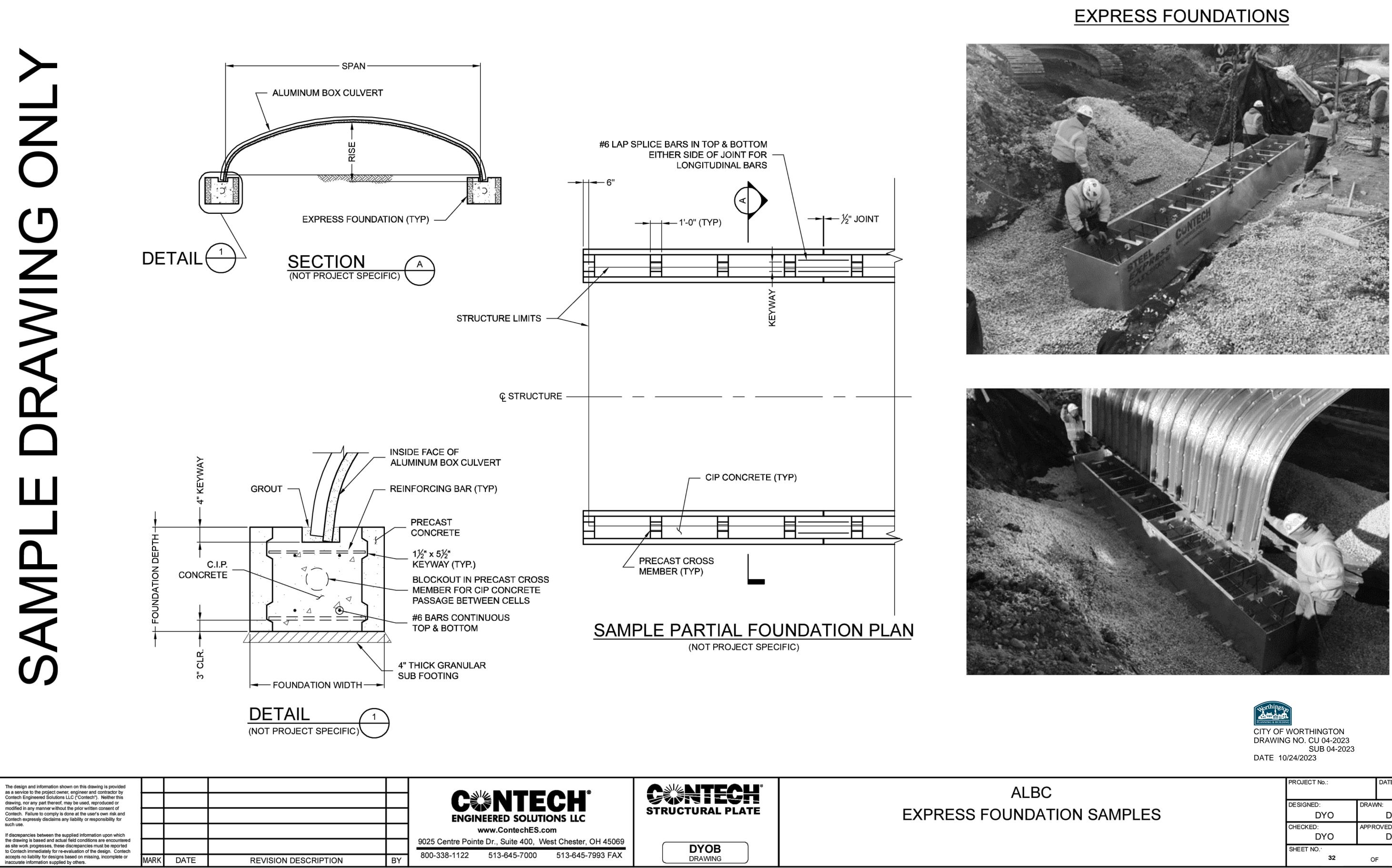
- 2.4 The construction shall be performed under the direction of the Engineer
- 2.5 All aspects of the structure design and site layout including foundation backfill, end treatments and necessary scour consideration shall be performed by the Engineer.



CITY OF WORTHINGTON DRAWING NO. CU 04-2023 SUB 04-2023 DATE 10/24/2023



3.0	<u>ASS</u>	EMBLY AND INSTALLATION
tion Culverts''	3.1	Bolts and nuts shall conform to the requirements of ASTM A-307 and/or ASTM A-449. The box culvert shall be assembled in accordance with the plate layout drawings provided by the manufacturer and per the manufacturer's recommendations.
		Bolts shall be tightened using an applied torque of between 100 and 150 ftlbs.
	3.2	The box culvert shall be installed in accordance with the plans and specifications, the manufacturer's recommendations, and AASHTO Standard Specification for Highway Bridges - Section 26 Division II - Construction/AASHTO LRFD Bridge Construction Specifications - Section 26.
	3.3	Trench excavation shall be made in embankment material that is structurally adequate. The trench width shall be shown on the plans. Poor quality in situ embankment material must be removed and replaced with suitable backfill as directed by the Engineer.
tative.	3.4	Aluminum Box Culvert designs require a minimum allowable soil-bearing pressure of 4,000 psf. Lower bearing capacities may be accommodated with a site specific design for an aluminum foundation or a concrete footing.
		If the engineer determines the natural foundation is inadequate to support the structure's backfill, the poor material shall be excavated, removed and replaced to a suitable depth with competent material. The specific depth of excavation required may be reduced by utilizing a geosynthetic reinforced foundation as designed by a qualified geotechnical engineer. For additional information contact your local Contech representative.
er to	3.5	When a metal foundation is used, the soil bedding requires a minimum of 6 inches of loose granular material with a maximum particle size of one half the corrugation depth. The proper width of the bedding material required shall conform to the project plans and specifications.
and		Bedding preparation is critical to both structure performance and service life. The bedding should be constructed to uniform line and grade to avoid distortions that may create undesirable stresses in the structure and/or rapid deterioration of the roadway. The bed should be free of rock formations, protruding stones, frozen lumps, roots, and other foreign matter that may cause unequal settlement.
he tion the land,	3.6	The structure shall be assembled in accordance with the Manufacturer's instructions. All plates shall be unloaded and handled with reasonable care. Plates shall not be rolled or dragged over gravel rock and shall be prevented from striking rock or other hard objects during placement in trench or on bedding.
ny to s, inder nd , and nout acles e ning		When installed on a full invert or on flexible footing pads, assembly of the invert or footing pads shall start at the downstream end. Circumferential seam laps shall shingle over the top of the downstream plates as assembly progresses upstream. Whether the box culvert is installed on a concrete footing, full metal invert, or flexible footing pad, assembly of the structure shell shall start at the upstream end. Downstream rings of plates shall be assembled outside of the upstream rings (Circumferential seams are shingled downstream when viewed from the inside of the shell).
ctor, so	3.7	The structure shall be backfilled using clean well graded granular material that meets the requirements for soil classifications A-1, A-2-4, A-2-5, or A-3 modified per AASHTO M-145. See the structural plate backfill group classification table on this sheet.
er.		Backfill must be placed symmetrically on each side of the structure in 8 inch loose lifts. Each lift shall be compacted to a minimum of 90 percent density per AASHTO T-180.
ns,	3.8	Standard highway loads that meet the permissible design load limits for an Aluminum Box Culvert are not allowed on the structure until it is backfilled completely and pavement is in place.
		The addition of temporary soil for heavy construction loads is not feasible or permissible for Aluminum Box Culverts. By design, these structures are limited in the range of permissible fill heights and live loads.
		Heavy construction loads that exceed that of the particular highway live load design limits are not allowed on Aluminum Box Culverts without approval from the Engineer.
	3.9	If an aluminum headwall and/or wingwall system is specified, the select granular structural backfill limits shall extend past the deadman anchor system. Contact the Engineer if stiff material or rock is encountered where the wingwalls and deadmen are to be installed.
		PROJECT No.: DATE:
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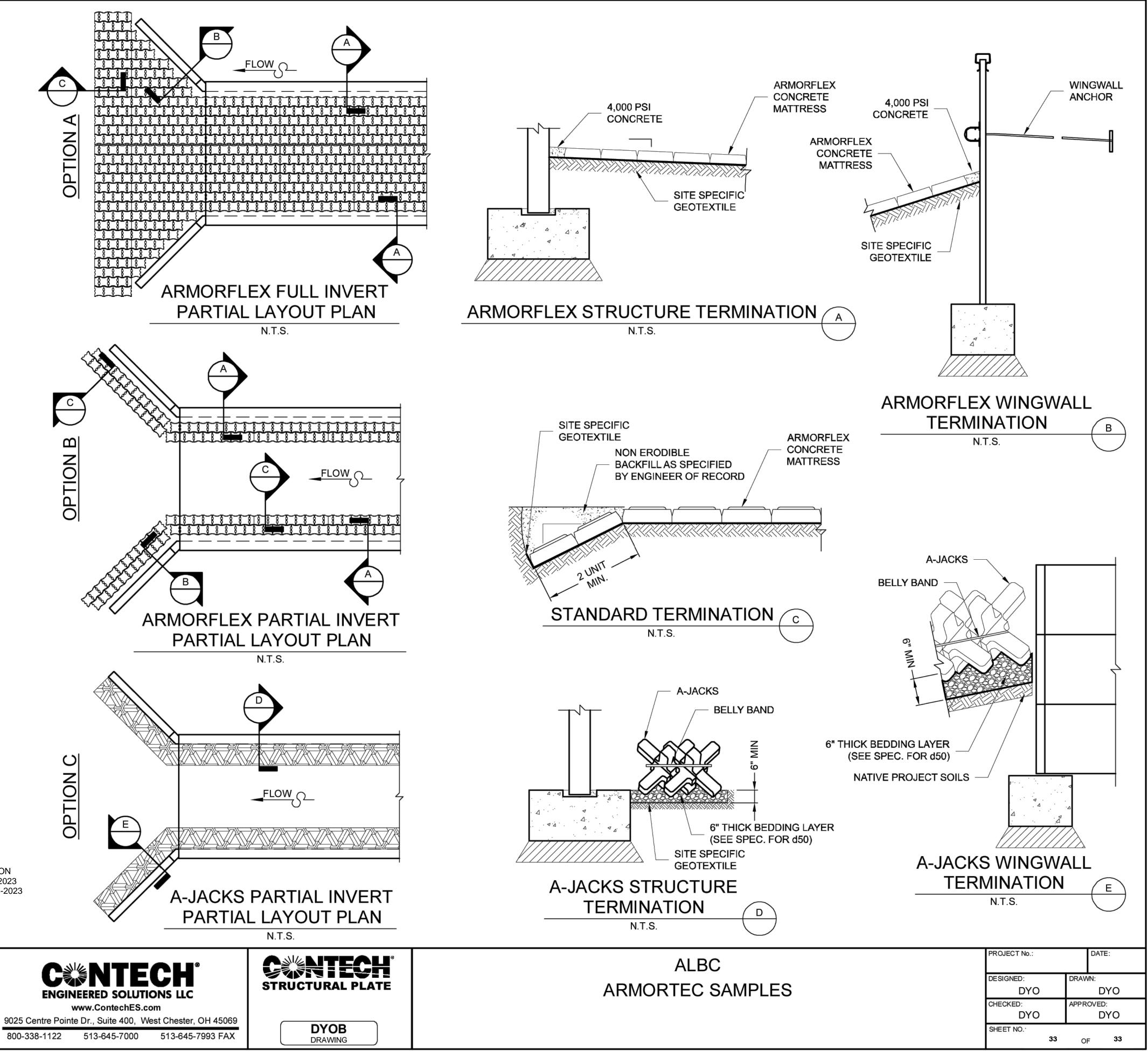
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A-JACKS PARTIAL INVERT N.T.S.







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