(1) 3/20°

ORDINANCE NO. 37-10-23

2023039571 ORDINANCE \$25.00 10/16/2023 11:56:10A 17 PGS Trini Beaver HAMILTON County Recorder IN

Recorded as Presented

AN ORDINANCE AMENDING THE UNIFIED DEVELOPMENT ORDINANCE
NO. 62-12-95, AND THE PRAIRIE LAKES PLANNED DEVELOPMENT ORDINANCE NO.
28-8-97 AND ALL AMENDMENTS THERETO, A PART OF THE COMPREHENSIVE MASTER PLAN
FOR THE CITY OF NOBLESVILLE, HAMILTON COUNTY, INDIANA

Document Cross-Reference No: 9709738918, 200300030027, 2009044606

An Ordinance to amend the Unified Development Ordinance and Ordinance No. 28-8-97 and all amendments thereto including the Zoning Commitments regarding the setback from Mundy Drive for parking all within the City of Noblesville, Hamilton County, Indiana, enacted by the City of Noblesville under the authority of Chapter 174 of the Acts of the Indiana General Assembly 1947, as amended, and

WHEREAS, the Plan Commission of the City of Noblesville has conducted a public hearing on Application No. LEGP NO. 0087-2023 as required by law concerning an amendments relating to landscaping and buffers, number of required parking spaces, minimum parking island size and setbacks, and front yard setbacks, "Lot 1A", a part of the "Prairie Lakes Planned Development", all a part of the Unified Development Ordinance and after due consideration has sent a favorable recommendation for adoption to the Council with a vote of 10 ayes, 0 nays, and 0 abstentions at their September 18, , 2023 meeting, and

NOW, THEREFORE, BE IT ORDAINED by the Common Council of the City of Noblesville, Hamilton County, Indiana, meeting in regular session, that the Unified Development Ordinance, and the "Prairie Lakes Planned Development" Ordinance including the zoning commitments and all amendments thereto are hereby amended as follows:

ORDINANCE No. 37-10-23

SECTION 1. That the subject real estate known as Lot 1A in Prairie Lakes Planned Development, also known as Hamilton County Parcel No. 18-11-19-00-28-001.000 having an address of 14575 Mundy Drive which is located within the zoning jurisdiction of the City of Noblesville, Hamilton County, Indiana and is currently zoned "PB/PD Planned Business/Planned Development" district and is hereby subject to the amendment to the Original Zoning Commitments Recorded in the Hamilton County Recorder's Office on the 28th day of March 2003 and all other amendments thereto:

Paragraph 9. <u>Building Setback Lines.</u> Shall be amended for Lot 1A in Prairie Lakes Planned Development to allow parking within 25-FT of the centerline of Mundy Drive (private access drive). All remaining paragraphs as per the Original Zoning Commitments or as amended shall be in full force and effect.

SECTION 2. That this ordinance and attached "Exhibit 1 – Site Plan" provides for the following waivers:

- A. Elimination of landscape buffer along State Road No. 37
- B. Reduction of landscape buffer along E. 146th Street as per the amended plan
- C. Reduction of required parking spaces from 66 to a minimum of 50 spaces
- D. Reduction of the parking lot setback along E. 146th Street to a minimum of 2-FT.
- E. Reduction of minimum building setback along State Road No. 37 to 54-FT.
- F. Reduction of parking space length to 18-FT for a 90-degree parking spaces
- G. Reduction to the landscape buffer along Mundy Drive as per the amended plan to a minimum of 5-FT in width.
- H. Reduction building base landscaping along the east side of the building
- 1. Reduction of the parking island north along Mundy Drive to a minimum of 165-SF.

SECTION 3. Unless a development standard, specification, guideline, and/or requirement contained in the Unified Development Ordinance or the "Prairie Lakes Planned Development" Ordinance No. 28-8-97 and Original Zoning Commitments are varied, altered, or modified by this ordinance and/or exhibits, then such development standards, specifications, guidelines, commitments and/or

ORDINANCE No. 37-10-23 2

requirements as specified in the Unified Development Ordinance and/or Ordinance No. 28-8-97 "Prairie Lakes Planned Development" and Original Zoning Commitments shall apply.

SECTION 4. This Ordinance shall be in full force and effect from and upon its adoption and publication in accordance with the law. All prior ordinances or parts thereof in conflict therewith are repealed and deemed to conform to the provisions of these amendments.

SECTION 5. Upon motion duly made and seconded; this Ordinance was fully passed by the members of the Common Council this 10th day of ________, 2023.

AYE		NAY	ABSTAIN
PAS	Brian Ayer		
20/33	Mark Boice		
,,,,,	Michael J. Davis		
4 P.D.	Gregory P. O'Connor		
e A	Darren Peterson		
The On	Pete Schwartz		
That	Aaron Smith		
MA	Dan Spartz		
0	Megan G. Wiles		

ATTEST: Nelly L. Lees, City Clerk

Presented by me to the Mayor		le, Indiana, this// ## day of
October , 2023 at 8:	03 <u>A</u> .m.	
		Evelyn L. Lees, City Clerk
111	MAYOR'S APPROVAL	
Chris Jensen, Mayor		
	MAYOR'S VETO	
Chris Jensen, Mayor		Date
ATTEST Lees, City Clerk	MAY SEAL NOIA	6, 1887 6

I, affirm, under the penalties for perjury, that I have taken reasonable care to redact each Social Security number in this document, unless required by law.

Joyceann Yelton____

Printed Name of Declarant

Prepared by: Joyceann Yelton, Development Services Manager, City of Noblesville, 16 South 10th Street, Noblesville, IN 46060 (317) 776-6325

ORDINANCE No. 37-10-23

Noblesville Plan Commission Noblesville, Indiana

To the Noblesville City Council:

Sarah L. Reed

Acting Secretary

day of Septe including w	ertify that the Plan Commission of Noblesville, Indiana held a public hearing on the 18th ember 2023 for the adoption of an amended Preliminary Development Plan and Ordinance vaivers for the Prairie Lakes Planned Development, all a part of the Comprehensive an, and after due consideration, recommends that the City of Noblesville said amendment.
Request:	Application No. LEGP 0087-2023 Amendment to an adopted Preliminary Development Plan including waivers regarding setbacks and landscaping relating to right-of-way acquisition for Prairie Lakes Planned Development located at 14575 Mundy Drive. Submitted by CVS Health (Owners) and Planning Department (Applicants) Staff Reviewer - Joyceann Yelton
	mission Action: Ayes Nays Abstentions tion is forwarded with a recommendation
Respectfully Noblesville	y submitted, Plan Commission
By: Malinda Wil	Manilius Icox President



ENGINEERING PLANS CVS - PARKING IMPROVEMENTS

UTILITY AND GOVERNING AGENCY CONTACTS SERVICE / JURISDICTION COMPANY / DEPT. ADDRESS PHONE NUMBER CONTACT CITY OF NOBLESVILLE COMMUNITY DEV. AND PLANNING (317) - 776 - 6325 135 S 9TH ST STE 155 NOBLESVILLE FIRE DEPT. (317) - 776 - 6336 DARRELL CROSS 16 S 10TH ST., NOBLESVILLE, IN STORM SEWER CITY OF NOBLESVILLE (317) - 776 - 6330 ODISE ADAMS (317) - 776 - 6330 MS4 OPERATOR CITY OF NOBLESVILLE BRAD ROBBINS NOBLESVILLE, IN 46060 1575 PLEASANT ST., NOBLESVILLE, (317) - 776 - 6348 VINCE BAKER HAMILTON COUNTY SURVEYOR'S OFFICE 240 N. MERIDIAN ST., ROOM 280. COMMUNICATION ATAT (317) - 610 - 5437 RRIAN PETERS (317) - 752 - 9426 THOMAS SPENCER 100 S. MILL CREEK RD., DUKE ENERGY (317) - 776 - 5348 POWER CLINT THOMPSON (317) - 776 - 5560 CENTERPOINT ENERGY RANDY CRUTCHFIELD NOBLESVILLE, IN 46060 NDIANA AMERICAN WATER

	PF	ROJECT TEAM		
ROLE	COMPANY	ADDRESS	PHONE NUMBER	CONTACT
DEVELOPER/OWNER	CVS PHARMACY, INC.	14575 MUNDY DR NOBLESVILLE, IN 46060		RICHARD SMART
CIVIL ENGINEER	KIMLEY-HORN & ASSOCIATES, INC.	500 E. 96TH ST., STE 300, INDIANAPOLIS, IN 46240	(317) 218-9560	ANDY TAYLOR
LANDSCAPE ARCHITECT	KIMLEY-HORN & ASSOCIATES, INC.	500 E. 96TH ST., STE 300, INDIANAPOLIS, IN 46240	(317) 218-9560	MICHELE DYER
LAND SURVEYOR	JQOL	8440 ALLISON POINTE BLVD INDIANAPOLIS, IN 46250	(317) 661-1964	JOSEPH TRTAN

14575 MUNDY DR NOBLESVILLE, IN 46060



HAMILTON COUNTY

CONSTRUCTION OF ±11,000 SF OF PARKING IMPROVEMENTS FOR CVS ON ±1.42 AC SITE. PROJECT IS IN SECTION 19 OF T18N, R5E IN NOBLESVILLE, HAMILTON COUNTY, INDIANA

	SHEET INDEX
SHEET NO.	SHEET TITLE
C0.0	TITLE SHEET
C1.0	GENERAL SPECIFICATIONS
C1.1	GENERAL SPECIFICATIONS
C1.2	GENERAL NOTES
C2.0	EXISTING CONDITIONS AND DEMO PLAN
C3.0	SITE PLAN
C4.0	EROSION CONTROL PLAN
C4.1	EROSION CONTROL DETAILS
C4.2	SWPPP
C5.0	GRADING AND DRAINAGE PLAN
C6.0	CONSTRUCTION DETAILS
L1.0	LANDSCAPE PLAN
L1.1	LANDSCAPE DETAILS
1-29	NOBLESVILLE CONSTRUCTION STANDARDS

LEGAL DESCRIPTION

LOT 1A IN REPLAT OF LOTS 1 AND 3 IN PRAIRIE LAKES SECONDARY PLAT, RECORDED IN PLAT CABINET 4, SLIDE 546, AS INSTRUMENT NUMBER 2009044606, IN THE OFFICE OF THE RECORDED OF HAMILTON COUNTY, INDIANA.

NOBLESVILLE NOTES

ERRORS AND OMISSIONS STATEMENT



STORE NUMBER:

14575 MUNDY DRIVE NOBLESVILLE, IN (HAMILTON COUNTY) PROJECT TYPE: SITE MODIFICATIONS **DEAL TYPE:** FEE FOR SERVICE

CS PROJECT NUMBER:

ENGINEER:

|Kimley»Horn

CONSULTANT:

KIMLEY-HORN AND ASSOCIATES, INC. 500 E. 96TH ST., SUITE 300 INDIANAPOLIS, IN 46240 TEL: (317) 218-9560 CONTACT: ANDY TAYLOR

DEVELOPER:



REVISIONS:

WING	BY:			

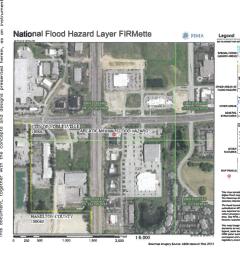
DATE: 07/28/2023 170425000

TITLE SHEET

SHEET NUMBER:

C0.0

COMMENTS:



SANITARY SEWER



LAURA McCLURE

- A. Design data provided in electronic format is for information purposes only and should be used at your own risk, and is provided without representations and warranties. Any conflict between the information reflected on the latest revision of the sealed plan sheets and that provided via electronic format shall
- sealed plan sheets and that provided via electronic format shall be resolved in favor of the sealed plan sheets.

 Utilities: There may be additional existing utilities not shown on these plans. Existing utilities are shown in an approximate manner only and the Engineer assumes no responsibility for locations shown. Field verify the location of all existing utilities within the limits of construction. Notify the Owner and Engineer if discrepancies are found that will affect the construction project. Protect all existing utilities unless otherwise noted in these plans.
- Temporary Provisions: Sequence the work and provide temporary Temporary Provisions: Sequence the work and provide temporary measures as needed to maintain access to the site through all entrances at all times during construction. Temporary provisions may include, but are not limited to: barricades, flashing lights, flagman, temporary powerent, and directional signage. Equipment Storage: Do not park equipment or store materials in state, county or city right-of-way. Notify the Engineer in writing of any discrepancies between the existing conditions in the field and the survey shown on the plans before proceeding with any new construction.
- plans before proceeding with any new construction.
 Obtain all required construction related permits, including demolition permit, before starting work. Retain copies of all permits at the project site at all times.
- Approval of these plans does not constitute approval of any land disturbing activities within wetland areas. Contact the appropriate regulatory agency for approval of any wetland area disturbings.
- Signs (location, number, and size) are not approved under the general development permit. A separate permit is required for
- onsite signage. No certificate of occupancy will be issued until all site
- improvements have been completed on the site.
 Comply with all applicable state, federal, and local building and utility installation codes. All materials and construction methods shall be in accordance with these plans and specifications
- shall be in accordance with these plans and specifications unless Department of Transportation Standards or local municipal standards are more stringent.

 Do not deviate from these plans and specifications without prior written approval from the Engineer of record.

 Work within D.O.T right—of—way.

 1. All powement markings within D.O.T. right—of—way shall be thermoplastic and in accordance with D.O.T. specifications.

 2. Re—establish all right—of—way area, which is admaged or disturbed, to original condition or better.

 3. All work in D.O.T. right—of—way shall comply with D.O.T. specifications.
- M. Arrange high intensity lighting to conceal the source of light
- M. Arrange high intensity lighting to conceal the source of ligh from public view and prevent interference with traffic.
 N. Ensure correct horizontal and vertical alignment of all ties between proposed and existing povernents, curb and gutter sidewalks, walls and utilities before beginning work. Notify Engineer if discrepancies exist.

- TRAFFIC CONTROL

 A. If Drawings do not indicate site specific traffic control measures, Contractor shall be responsible for providing a temporary traffic control plan in accordance with the Manual on Uniform Traffic Control Devices (MUTCD) latest edition
- Control Devices (MUTCD), latest edition.

 All temporary traffic control signage and markings shall be installed prior to construction and maintained during construction in accordance with the MUTCD, latest edition.

 Contact property owners to be affected by construction and coordinate temporary driveway closures and sequencing. Maintain access for all property owners during construction.

 Control dust as necessary to prevent interference with traffic. Inspect traffic control devices on a daily basis to ensure placement of barricades and function of lights is maintained throughout construction.
- Coordinate all lane closures with the local jurisdiction having

- A. Verify that utilities have been disconnected and capped before starting demolition operations.

 8. Verify that hazardous materials have been remediated before proceeding with building demolition operations.

 6. Environmental & Geotechnical: Review all project environmental and geatechnical reports and become familiar with all issues
- Detore demolition.

 Existing Utilities: Locate, identify, disconnect, and seal or cap off indicated utilities serving buildings and structures to be demolished
- Arrange to shut off indicated utilities with utility
- companies.

 2. If removal, relocation, or abandonment of utility services will affect adjacent occupied buildings, then provide temporary utilities that bypass buildings and structures to be demolished and that maintain continuity of service to other buildings and structures.

 Do not commence demolition operations until temporary erosion and sediment control and plant—protection measures are in place.
- Obtain the Demolition Permit from the local authority prior to
- starting demolition activities.
 G. Existing Facilities: Protect adjacent walkways, loading docks, building entries, and other building facilities during demolitic operations. Maintain exits from existing buildings. Promptly repair any facilities damaged by construction operations to owner's satisfaction at no additional cost to the owner.

 Existing Utilities: Maintain utility services to remain and protect
- from damage during demolition operations. Temporary Protection: Erect temporary protection, such as walks, fences, railings, canopies, and covered passageways where required by authorities having jurisdiction and as
- Remove temporary barriers and protections where hazards no conditions remain, leave temporary barriers and protections in
- place. Remove demolition waste materials from Project site and legally
- Remove demolition waste materials from Project site and lega dispose of them in an EPA-approved landfill acceptable to authorities having jurisdiction.
 Do not burn demolished materials unless special written permission is obtained from Owner, Engineer, and West Metro Fire Protection District and Public Health.
- M. Clean adjacent structures and improvements of dust, dirt, and debris caused by building demolition operations. Return ad greas to condition existing before building demolition operations

- SITE CLEARING 1.1 PROJECT CONDITIONS A. Traffic: Minimize interference with adjoining roads, streets, walks, and other adjacent occupied or used facilities during
- site—clearing operations.

 B. Environmental & Geotechnical: Review all project environmental ical reports and become familiar with all issue
- and geotechnical reports and become familiar with all issues before site clearing.

 C. Utility Locator Service: Notify utility locator service for area where Project is located before site clearing.

 D. Do not commence site clearing operations until temporary erosion— and sedimentation—control and plant—protection
- measures are in place.

 1.2 TEMPORARY EROSION AND SEDIMENTATION CONTROL
- EMPORART EROSION AND SEDIMENTATION CONTROL.

 A. Provide temporary erosion— and sedimentation—control measures to prevent soil erosion and discharge of soil—bearing water runoff or airborne dust to adjacent properties and walkways, according to erosion— and sedimentation—control Drawings and requirements of authorities having jurisdiction.

 3. Verify that flows of water redirected from construction areas or generated by construction activity do not enter or cross protection zones.
- protection zones.

 C. inspect, maintain, and repair erosion— and sedimentation—co-measures during construction until permanent vegetation has been established.
- D. Remove erosion and sedimentation controls when site is stabilized and restore and stabilize areas disturbed during

1.3 TREE AND PLANT PROTECTION

- REPORT FRUITCHINN

 Repair or replace trees, shrubs, and other vegetation indicated to remain or be relocated that are damaged by construction operations, in a manner approved by Engineer.
- operations, in a manner approved by Éngineer.
 EXISTING UTILITIES

 A. Locate, identify, disconnect, and seal or cap utilities indicated to be removed or abandoned in place. Arrange with utility companies to shut off indicated utilities.

 B. Interrupting Existing Utilities: Do not interrupt utilities serving facilities occupied by Owner or others unless permitted under the following conditions and then only after arranging to provide temporary utility services according to requirements indicated:

 1. Notify utility owner not less than two days in advance of proposed utility interruptions. proposed utility interruptions.
- 2. Do not proceed with utility interruptions without utility owner's
- written permission.

 C. Pothole existing water lines, underground electrical lines, gas lines, underground telephone lines, fiber optic, and any other existing utility lines within the project limits during site clearing and demolition activities. Survey the existing utility elevations and provide the surveyed field locations and depths to the Engineer for review. These existing utilities may require relocation 1.5 CLEARING AND GRUBBING
- Remove obstructions concrete asphalt trees shrubs and other

 - temove obstructions, concrete, asphalt, trees, shrubs, and other egetation indicated to permit installation of new construction.

 1. Do not remove trees, shrubs, and other vegetation indicated to remain or to be relocated.

 2. Grind down stumps and remove roots, obstructions, and debris to a depth of 12 inches below exposed subgrade.

 3. Use only hand methods for grubbing within protection zones.

 4. The subgrade to remain shall be compacted to 95% Standard Proctor maximum dry density following clearing and grubbing activities.
- Remove sod and grass before stripping topsoil. B. Strip topsoil in a manner to prevent intermingling with underlying
- subsoil or other waste materials subsoil or other waste materials.

 C. Stockpile topsoil away from edge of excavations without intermixing with subsoil. Grade and shape stockpiles to drain surface water. Cover to prevent windblown dust and erosion by
- D. Dispose of surplus topsoil. Surplus topsoil is that which exceeds quantity indicated to be stockpiled or reused.

SITE WATER DISTRIBUTION
1.1 GENERAL

- A. Regulatory Requirements:
- Regulatory Requirements:
 Comply with requirements of utility company supplying water. Include tapping of water mains and backflow prevention.
 Comply with standards of authorities having jurisdiction for potable-water-service piping, including materials, installation, testing, and disinfection.
 Piping materials shall bear label, stamp, or other markings of
- B. Piping materials shall bear label, stamp, or other markings of specified testing agency.
 C. Interruption of Existing Water—Distribution Service: Notify Owner at least 2 days prior to interruption of existing water services.
 D. Coordinate with utility company for required inspections and for connection of water main and services before starting
- construction.

 1.2 COPPER TUBE AND FITTINGS
 A. Soft Copper Tube: ASTM B 88, Type K, water tube, annealed
- temper.

 Copper, Pressure—Seal Fittings:

 1. NPS 2 and Smaller: Wrought—copper fitting with EPDM O—ring seal in each end.

 2. NPS 2—1/2 to NPS 4: Bronze fitting with stainless—steel grip—ring and EPDM O—ring seal in each end.

 B. Bronze Flanges: ASME B16.24, Class 150, with solder—joint end. Furnish Class 300 flanges if required to match piping.

 C. Copper Unions: MSS SP—123, cast—copper—alloy, hexagonal—stock body, with ball—and—socket metal—to—metal seating surfaces.
- body with ball-and-socket, metal-to-metal seating surfaces and solder-joint or threaded ends.

 1.3 DUCTILE-IRON PIPE AND FITTINGS
- CTILE—IRON PIPE AND FITTINGS
 Mechanical—Joint, Ductile—Iron Pipe: AWWA C151, with
 mechanical—joint bell and plain spigot end unless grooved or
 langed ends are indicated.
 I. Mechanical—Joint, Ductile—Iron Fittings: AWWA C110, ductile—
 or gray—iron standard pattern or AWWA C153, ductile—iron
 compact pattern.
- compact pattern.
 2. Glands, Gaskets, and Bolts: AWWA C111, ductile— or gray—iron glands, rubber gaskets, and steel bolts.

 B. Push-on-Joint, Ductile-Iron Pipe: AWWA C151, with push-on-joint bell and plain spigot end unless grooved or
- flanged ends are indicated . Flanges: ASME 16.1, Class 125, cast iron. VC PIPE AND FITTINGS
- A. PVC, Schedule 40 Pipe: ASTM D 1785. PVC, Schedule 40 Socket
- PYC, Schedule 40 Pipe: ASTM D 1785. PVC, Schedule 40 Socket Fittings: ASTM D 2466.
 PVC, AWWA Pipe: AWWA C900, Class 200, with bell end gasket, and with spigot end.
 Mechanical—Joint, Ductile—Iron Fittings: AWWA C110, ductile— or gray—iron standard pattern or AWWA C153, ductile—iron compact setters.

GAIL VALVES
AWWA, Cast—Iron Gate Valves: Nonrising—Stem, Resilient—Seated Gate
Valves: Gray— or ductile—iron body and bonnet; with bronze or gray—
or ductile—iron gate, resilient seats, bronze stem, and stem nut.

1) Standard: AWWA C509.

2) Minimum Pressure Rating: 200 psig.

3) End Connections: Mechanical joint

4) Interior Coating: Complying with AWWA C550.
ATE VALVE ACCESSORIES AND SPECIALTIES
Tapping—Sleeve Assemblies: Sleeve and valve compatible with drilling machine.

1) Standard: MSS SP-60.

- 2) Tapping Sleeve: Cast— or ductile—iron or stainless—steel, two—piece bolted sleeve with flanged outlet for new brar connection. Include sleeve matching size and type of pip material being tapped and with recessed flange for br
- 3) Valve: AWWA, cast—iron, nonrising—stem, resilient—seated gate valve with one raised face flange mating tapping-sleeve flange. B. Valve Boxes: Comply with AWWA M44 for cast—iron valve boxes.
- B. Valve Boxes: Comply with AWWA M44 for cast—iron valve boxes. Include top section, adjustable extension of length required for depth of burial of valve, plug with lettering "WATER," and bottom section with base that fits over valve and with a barrel approximately 5 inches in diameter.

 BACKFLOW PREVENTERS
 Double—Check, Detector—Assembly Backflow Preventers:

 1. Standards: ASSE 1048 and UL listed or FMG approved.
 2. Operation: Continuous—pressure applications

Operation: Continuous-pressure applications

- 3. Pressure Loss: 5 psig maximum, through middle 1/3 of flow 4 Body Cast iron with interior lining complying with AWWA C550 or
- 4. Booy. Cust mon min.
 that is FDA approved.
 5. End Connections: Flanged.
 6. Configuration: Designed for horizontal, straight through flow.
 WATER METER BOXES

 Cost-intian Cost-iron hadv and cover for disc-type water me
- WALER MELER BOXES
 Description: Cast—iron body and cover for disc—type water meter, with lettering "WATER METER" in cover; and with slotted, open—bottom base section of length to fit over service piping.
- CONCRETE VAULTS Description: precast, reinforced—concrete vault, designed for A—16 load designation according to ASTM C 857 and made according to Ladder: ASTM A 36/A 36M, steel or polyethylene-encased steel
- 2. Manhole: ASTM A 48/A 48M Class No. 35A minimum tensile strength, gray—iron traffic frame and cover. a. Dimension: 24—inch minimum diameter, unless otherwise
- 3. Drain: ASME A112.6.3, cast—iron floor drain with outlet of size indicated. Include body anchor flange, light-duty cast-iron grate, bottom outlet, and integral or field-installed bronze ball or clapper-type backwater valve.

 1.10 FIRE TYDRANTS
- Dry-Barrel Fire Hydrants: Freestanding, with one NPS 4-1/2 and two Dry-Barrel Fire Hydrants: Freestanding, with one NPS 4-1/2 and two NPS 2-1/2 outlets, 5-1/4-inch main valve, drain valve, and NPS 6 mechanical—joint inlet. Include interior coating according to AWWA C550. Hydrant shall have cost—iron body, compression—type valve opening against pressure and closing with pressure.

 1. Standard: AWWA C502.
 2. Pressure Rating: 250 psig.
 FIRE DEPARTMENT CONNECTIONS
 Fire Department Connections: Freestanding, with cost—bronze body, thread inlets according to NFPA 1963 and matching local fire department hase threads, and threaded bottom outlet. Include lugged caps, gaskets, and chains: lugged swivel connection and drop clapper for each hose—connection inlet; 18—inch—high brass sleeve; round escutcheon plate.
- VALVE APPLICATIONS
- VALVE APPLICATIONS
 Drowings indicate valve types to be used. Where specific valve types are not indicated, the following requirements apply:

 1. Underground Valves, NPS 3 and Larger: AWWA, cast—iron, nonrising—stem, resilient—seated gate valves with valve box.

 2. Use the following for valves in vaults and aboveground:

 a. Gate Valves, NPS 2 and Smaller: Bronze, nonrising stem.

 b. Gate Valves, NPS 3 and Larger: AWWA, cast iron, OS&Y rising stem.
- stem, resilient seated. Check Valves: AWWA C508, swing type. 1.13 FIELD QUALITY CONTROL
- A. Piping Tests: Conduct piping tests before joints are covered and concrete thrust blocks have hardened sufficiently. Fill pipeline
- after concrete thrust blocks have hardened sufficiently. Fill pipeline 24 hours before testing and apply test pressure to stabilize system. Use only potable water.

 Hydrostatic Tests: Test at not less than one—and—one—half times working pressure for two hours. Increase pressure in 50—psig increments and inspect each joint between increments. Hold at test pressure for 1 hour; decrease to 0 psig. Slowly increase again to test pressure and hold for 1 more hour. Maximum allowable leakage is 2 quarts per hour per 100 joints. Remake leaking joints with new materials and repeat test until leakage is within allowed limits
- C. Disinfection: Clean and disinfect potable water mains as directed by the local authority, or, if method is not prescribed by the local authority, use procedure described in AWWA C651. D. Prepare reports of testing activities and submit to the Engineer
- 1 14 IDENTIFICATION IDENTIFICATION
 Install continuous underground detectable warning tope during backfilling of trench for underground water—distribution piping. Locate below finished grade, directly over piping.

- A. Interruption of Existing Sanitary Sewerage Service: Coordinate as required with the local sanitary sewer authority before starting
- B. Utility Locator Service: Notify utility locator service for area where . Utility Locator Service: Notify utility locator service for area where Project is located before beginning sanitary sewer installation operations. Field verify all existing utilities shown on the Drawings by pot-holing the lines. Survey existing utilities and provide horizontal and vertical location information to the Engineer to determine if any utilities will conflict with the proposed design. UCITLE-IRON, GRANTY SEWER PIPE AND FITTINGS
 . Pipe: ASTM A 746, for push-on joints.
 . Compact Fittings: AWWA C153, ductile iron, for push-on joints.
 . Caskets: AWWA C111, rubber.
 VC PIPE AND FITTINGS
 VC Gravity Sewer Piping: ASTM F 679, T-1 wall thickness. PVC
- PVC PIPE AND FITTINGS
 PVC Gravity Sewer Piping: ASTM F 679, T—1 wall thickness, PVC
 gravity sewer pipe with bell—and—spigot ends and with integral ASTM
 F 477, elastomeric seals for gasketed joints.

- A. Cast-Iron Cleanouts 1. Description: ASME A112.36.2M, round, gray—iron housing with Description: ASME A112.36.2M, round, gray—iron housing with clamping device and round, secured, scoriated, gray—iron cover. Include gray—iron ferrule with inside calk or spigot connection and countersunk, tapered—thread, brass closure plug.
 Top—Loading Classification: Traffic rated, Heavy Duty, in all paved areas and areas subject to vehicular traffic.
 Sewer Pipe Fitting and Riser to Cleanout: ASTM A 74, Service 1 class, cast—iron soil pipe and fittings.
 PVC Clanouts: PVC body with PVC threaded plug, Include PVC sewer pipe fitting and riser to cleanout of same material as sewer piping. Use in Light Duty applications where there is pedestrian.
- piping. Use in Light Duty applications where there is pedestrial affic only or in landscaped areas. MANHOLES

A. Standard Precast Concrete Manholes

- A. Standard Precast Concrete Manholes:

 1. Description: ASTM C 478, precast, reinforced concrete, of depth indicated, with provision for sealant joints.

 2. Diameter: 48 inches minimum unless otherwise indicated.

 3. Ballast: Increase thickness of precast concrete sections or add concrete to base section, as required to prevent flotation.

 4. Base Section: 6-inch minimum thickness for floor slab and 4-inch minimum thickness for walls and base riser section: with separate base slab or hase section with integral floor.
- separate base slab or base section with integral floor 5. Riser Sections: 4-inch minimum thickness, of length to provide depth indicated.
- 6. Top Section: Eccentric—cone type unless concentric—cone o flat-slab-top type is indicated; with top of cone of size that
- flat—slab—top type is indicated; with top of cone of size that matches grade rings.

 7. Joint Sealant: ASTM C 990, bitumen or butyl rubber.

 8. Resilient Pipe Connectors: ASTM C 923, cast or fitted onto manhole walls, for each pipe connection.

 9. Steps: Individual FRP steps or FRP ladder, wide enough to allow worker to place both feet on one step and designed to prevent lateral slippage off step. Cast or anchor steps into sidewalls at 12— to 16—inch intervals. Omit steps if total depth from floor of manhole to finished arade is less than 48 inches. manhole to finished grade is less than 48 inches.). Adjusting Rings: Interlocking HDPE rings, with level or
- sloped edge in thickness and diameter matching manhole frame and cover, and with height as required to adjust manhole frame and cover to indicated elevation and slope. Include sealant
- and cover to indicated elevation and slope. Include sealant recommended by ring manufacturer.

 11. Grade Rings: Reinforced—concrete rings, 6— to 9—inch total thickness, with diameter matching manhale frame and cover, and with height as required to adjust manhale frame and cover to indicated elevation and slope.

 B. Manhale Frames and Covers:

 1. Description: Ferrous; 24—inch ID by 7— to 9—inch riser, with 4—inch-minimum—width flange and 26—inch-diameter cover. Include indented top design with lettering cast into cover, using wording equivalent to "SANITARY SEWER."

 2. Material: ASTM A 536, Grade 60–40–18 ductile iron unless otherwise indicated.
- otherwise indicated.
- IDENTIFICATION 1.6 Arrange for installation of green warning tapes directly over piping
- Arrange for installation of green warning tapes directly over piping and at outside edges of underground manholes.

 1. Use warning tape or detectable warning tape over ferrous piping. 1.8.

 2. Use detectable warning tape over nonferrous piping and over edges of underground manholes.

 FIELD OUALITY CONTROL.

 A. Inspect interior of piping to determine whether line displacement or other damage has occurred lassect after approximately 24 inches
- other damage has occurred. Inspect after approximately 24 inches of backfill is in place, and again at completion of Project.
- Defects requiring correction include the following:

 a. Alignment: Less than full diameter of inside of pipe is visible b. Deflection: Flexible piping with deflection that prevents
- Deflection: Flexible piping with deflection that prevents passage of ball or cylinder of size not less than 92.5 percent of piping diameter.

 Damage: Crushed, broken, cracked, or otherwise damaged

- c. Damage: Crushed, broken, cracked, or otherwise damaged piping.
 d. Infiltration: Water leakage into piping.
 e. Exfiltration: Water leakage from or around piping.
 2. Replace defective piping using new materials, and repeat inspections until defects are within allowances specified.
 3. Reinspect and repeat procedure until results are satisfactory.
 B. Test new piping systems, and parts of existing systems that have been altered, extended, or repaired, for leaks and defects. 1. Do not enclose, cover, or put into service before inspection and
- Test completed piping systems according to requirements or
- 2. lest completed piping systems according to requirements of authorities having jurisdiction.

 3. Schedule tests and inspections by authorities having jurisdiction with at least 24 hours advance notice.

 4. Submit a separate report for each test to the Engineer for
- approval.

 5. Air Tests: Test sanitary sewerage according to requirements of authorities having jurisdiction, UNI—B—6, and the following:
 a. Test plastic gravity sewer piping according to ASTM F 1417.
 6. Manholes: Perform hydraulic test according to ASTM C 969.
- C. Leaks and loss in test pressure constitute defects that must be D Replace leaking pining using new materials and repeat testing until leakage is within allowances specified
- SITE STORM UTILITY DRAINAGE PIPING
- 1. All stormwater pipe, inlets, headwalls, and related appurtenances shall meet local 0.0.T. standards.
 2. All stormwater pipe shall be installed in accordance with pipe
- manufacturers' instructions.
 1.2 STEEL PIPE AND FITTINGS
- LEL PIPE AND FITINGS
 rugated—Steel Pipe and Fittings: ASTM A 760/A 760M, Type I with
 ings of similar form and construction as pipe.
 . Standard—Joint Bands: Corrugated steel.
 . Coating: Aluminum or Bituminous
 PIPE AND FITTINGS
 Corrugated PE Projecte Pipe and Fitting ADD 7 1 1757 19
- Corrugated PE Drainage Pipe and Fittings NPS 3 to NPS 10: AASHTO M 252M; NPS 12 to NPS 48: AASHTO M 294M Type S, with smooth waterway for coupling joints.
 2. Silttight Couplings: PE Sleeve with ASTM D 1056, Type 2, Class
- A, Grade 2 gasket material that mates with tube and fittings.
 PVC CORRUGATED PIPE AND FITTINGS PVC CORRUGATED PIPE AND FITTINGS
 Corrugated PVC Drainage Pipe and Fittings NPS 4 to NPS 36: Smooth interior, ASTM F949, 46 PSI stiffness when tested in accordance with ASTM D2412. PVC compound hoving a minimum cell classification of 12454 as defined in ASTM D1784. Fittings: Smooth interior, ASTM F949, Section 5.2.3 or F794, Section 7.2.4. Joints shall be made with integrally-formed bell and spigot gasketed connections. Manufacturer shall provide documentation showing no leakage when gasketed pipe joints are tested in accordance with ASTM D3212. Elastomeric seals (gaskets) shall meet ASTM F477.

- 1.5 CONCRETE PIPE AND FITTINGS
- Reinforced-Concrete Sewer Pipe and Fittings: ASTM C76
- . Reinforced—Concrete Sewer Pipe and Fittings: ASIM C/6 Bell—and—spigot or tongue—and—groove ends and gasketed joints with ASTM C 443, rubber gaskets or sealant joints with ASTM C 990, bitumen or butyl—rubber sealant. Class III, Wall B I. Cast—Iron Area Drains: ASME A 112.6.3 gray—iron round body with anchor flange and round grate. Include bottom outlet with inside calk or spigot connection, of sizes indicated.
- MAINTULES

 1. Description: ASTM C 478, precast, reinforced concrete, of depth indicated, with provision for sealant joints.

 2. Diameter: 48 inches minimum unless otherwise indicated.
- 3. Ballast: increase thickness of precast concrete sections or add
- Ballast: increase thickness of precast concrete sections or ad concrete to base section as required to prevent flotation.
 Base Section: 6—inch minimum thickness for floor slab and 4—inch minimum thickness for walls and base riser section, ar separate base slab or base section with integral floor.
 Riser Sections: 4—inch minimum thickness, and lengths to provide depth indicated.
 Top Section: Eccentric—cone type unless concentric—cone or flot—slab—top type is indicated, and top of cone of size that matches arade rinas.

- matches grade rings.
 7. Joint Sealant: ASTM C 990, bitumen or butyl rubber.
 8. Steps: Individual FRP steps or FRP ladder, wide enough to allow worker to place both feet on one step and designed to prevent lateral slippage off step. Cast or anchor steps into sidewalls at 12- to 16-inch intervals. Omit steps if total depth from floor of manhole to finished grade is less than 48 inches.
- of manhole to finished grade is less than 48 inches.
 nhole Frames and Covers:
 Description: Ferrous; 24-inch ID by 7- to 9-inch riser with
 4-inch-minimum width flange and 26-inch-diameter cover.
 Include indented top design with lettering cast into cover, using
 wording equivalent to "STORM SEWER"
 Material: ASTM A 536, Grade 60-40-18 ductile iron unless
- otherwise indicated.

 INLET & JUNCTION BOXES Standard Precast Concrete:
 1. Description: ASTM C 478, precast, reinforced concrete, of depth
- indicated, with provision for sealant joints.

 Base Section: 6-inch minimum thickness for floor slab and 4-inch minimum thickness for walls and base riser section, and
- 4—inch minimum thickness for walls and base riser section, a separate base slab or base section with integral floor.
 5. Riser Sections: 4—inch—minimum thickness, 48—inch diameter, and lengths to provide depth indicated.
 4. Top Section: Eccentric—cone type unless concentric—cone or flot—slab—top type is indicated, and top of cone of size that matches carde pices.
- matches grade rings.
 5. Joint Sediant: ASTM C 990, bitumen or butyl rubber.
 6. Steps: Individual FRP steps or FRP ladder, wide enough to allow worker to place both feet on one step and designed to prevent

lateral slippage off step. Cast or anchor steps into sidewalls at 12— to 16—inch intervals. Omit steps if total depth from floor

- 12— to 16—inch intervals. Omit steps if total depth from floor of manhole to finished grade is less than 48 inches. 7. Pipe Connectors: ASTM C 923, resilient, of size required, for each pipe connecting to bose section.

 STORMWATER DETENTION STRUCTURES

 A. Cost—in—Place Concrete, Stormwater Detention Structures: Constructed of reinforced—concrete bottom, walls, and top; designed according to ASTM C 890 for A—16 (AASHTO HS20—44), heave—furfice structural loading of death shape dimensions and heavy-traffic, structural loading; of depth, shape, dimensions, and appurtenances indicated. Ballast: Increase thickness of concrete as required to prevent
- 2. Grade Rings: Include two or three reinforced-concrete rings, of
- 6— to 9—inch total thickness, that match 24—inch-diameter frame and cover.
 3. Steps: Individual FRP steps or FRP ladder, wide enough to allow worker to place both feet on one step and designed to prevent lateral slippage off step. Cast or anchor steps into sidewalls at 12—to 16—inch intervals. Omit steps if total depth from floor of structure to finished grade is less than 48 inches.
 4. Form and cast wires and pice appearings as indicated on
- 4. Form and cast wires and pipe openings as indicated or Drawings.

 B. Manhole Frames and Covers: ASTM A 536, Grade 60-40-18, ductile-iron castings designed for heavy-duty service
- PIPE OUTLETS A Pre-Cast Head Walls: Pre-Cast reinforced concrete with apron
- B. Slope Paved Head Walls: Cast—in—place reinforced concrete as shown on Drawinas shown on Drawings. Riprap Basins: Broken, irregularly sized and shaped, graded stone according to NSSGA's "Quarried Stone for Erosion and Sediment Control." Minimum stone size and dimensions as shown on
- Drawings.
 1.10 PIPING INSTALLATION A. Install locator wire or tape 6 inches above all non-metallic piping
- B. Install bedding and backfill in accordance with pipe manufacti instructions.

 C. Begin installation at downstream piping connection to outfal
- D. Construct all headwalls flush with existing proposed embankment 1.11 CLEANING
- A. Clean interior of piping of dirt and superfluous materials. Flush with potable wate B. Clean accumulated sediment from stormwater pipes, conveyance channels, and pond once site is stabilized with vegetation
- EARTH MOVING 1.1 PROJECT CONDITIONS PROJECT CONDITIONS

 A. Utility Locator Service: Notify utility locator service for area where Project is located before beginning earth moving operations.

 B. Do not commence earth moving operations until temporary erasion— and sedimentation—control measures are in place.

 C. Do not commence earth moving operations until plant—protection
 - measures are in place. D. Do not commence earth moving operations without reviewing and
- . Do not commence earth moving operations without reviewing and making provisions for all Geotechnical recommendations made in the project Geotechnical Report. Comply with recommendations in the geotechnical report regarding general site preparation, building pad preparation, povement sections, fill, and excavation. Retain a copy of the project Geotechnical Report at the work site at all times. Any discrepancies between these specifications and the project Geotechnical Report shall be resolved in favor of the project Geotechnical Report.

 Protect structures, utilities, sidewalks, povements, and other facilities from damage caused by settlement, lateral movement.
- facilities from damage caused by settlement, lateral movement, undermining, washout and other hazards created by earth moving
- G. Protect and maintain erosion and sedimentation controls during earth moving operations.

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



STORE NUMBER:

14575 MUNDY DRIVE NOBLESVILLE, IN (HAMILTON COUNTY) PROJECT TYPE: SITE MODIFICATIONS **DEAL TYPE:** FEE FOR SERVICE

8904

CS PROJECT NUMBER:

ENGINEER:

|Kimley » Horn

CONSULTANT:

KIMLEY-HORN AND ASSOCIATES, INC. 500 E. 96TH ST., SUITE 300 INDIANAPOLIS, IN 46240 TEL: (317) 218-9560 CONTACT: ANDY TAYLOR

DEVELOPER:



REVISIONS:

DRAWING BY RCB

TITLE: **GENERAL**

SPECIFICATIONS

C1.0

COMMENTS:

SHEET NUMBER:

DATE:

JOB NUMBER:

07/28/2023

170425000

- A. Prevent surface water and ground water from entering excavations, from ponding on prepared subgrades, and from flooding Project site and surrounding
- rea. rotect subgrades from softening, undermining, washout and damage by rain or
- water accumulation.

 C. Design and provide dewatering system using accepted and professional methods consistent with current industry practice. Provide dewatering system of sufficient size and capacity to control groundwater in a manner that preserves strength of foundation soils, does not cause instability or raveling of excavation slopes, and does not result in damage to existing structures. Lower water level in advance of excavation by utilizing wells, wellpoints, or similar positive control avance of excovation by utilizing wells, wellpoints, or similar positive control methods. Maintoin the groundwater level to a minimum of two (2) feet below excavations. Provide piezometers as directed by the engineer to document that the groundwater level is being maintained.

 D. By acceptable means, contractor shall control all water regardless of source and is responsible for proper disposal of the water. No additional payment will be made for any supplemental measures to control seepage, groundwater, or attains head.
- E. Open pumping with sumps and ditches shall be allowed, provided it does not open pumping with sumps and atteries small be allowed, provided it does not result in boils, loss of fines, softening of the ground, or instability of slopes. Sumps shall be located outside of load bearing areas so the bearing surfaces will not be disturbed. Water containing silt in suspension shall not be pumped into sever lines or adjacent water bodies. During normal pumping and upon development of well(s), levels of fine sond or silt in the discharge of water shall not exceed five (5) ppm.

 F. Continuously maintain excavations in a dry condition with positive dewatering
- . Continuously maintain excavations in a dry condition with positive dewatering methods during preparation of subgrade, installation of pipe, and construction of structures until the critical period of construction and/or backfill is completed to prevent damage of subgrade support, piping, structure, side slopes, or adjacent facilities for flotation or other hydrostatic pressure imbalance. So when construction is complete, properly remove all dewatering equipment from the site, including wells and related temporary electrical service.
- the site, including item.

 1.3 SUBGRADE

 A Notify Project Geotechnical Engineer when excavations have reached required
- subgrade.

 B. If Project Geotechnical Engineer determines that unsatisfactory soil is present, continue excavation and replace with compacted backfill or fill material as
- C. Proof-roll subgrade below the building slabs and pavements with a pneumatic-tired and loaded 10-wheel, tandem-axel dump truck weighing not less than 15 tans to identify soft pockets and areas of excess yielding. Do not proof-roll wet or saturated subgrades. Excavate soft spots, unsatisfactory soils, and areas of excessive pumping or rutting, as determined by Project Geotechnical Engineer, and replace with compacted backfill or fill as directed. D. In heavy duty pavement areas, the gravel aggregate base shall be extended under the curb and gutter section to provide additional stability for truck travel.

 4. UTILITY TRENCH ERDIDING AND BACKFILL.

 A. Place and compact bedding course on trench bottoms and where indicated. Shape bedding course to provide continuous support for helis biotis and barrels. C. Proof-roll subgrade below the building slabs and payements with a

- A. Place and compact bedding course on trench bottoms and where indicated. Shape bedding course to provide continuous support for bells, joints, and barrels of pipes and for joints, fittings, and bodies of conduits.
 B. Use Class B bedding under all PVC piping.
 C. Carefully compact initial backfill under pipe haunches and compact evenly up on both sides and along the full length of piping or conduit to avoid damage or displacement of piping or conduit.
 D. Backfill all utilities under roadways and traffic areas with crushed stone.
 COMPACTION OF SOIL BACKFILLS AND FILLS
 A. Place backfill and fill soil materials in layers not more than 8 inches in loose depth for material compacted by heavy compaction equipment, and not more than 4 inches in loose depth for material compacted by hand-operated tampers.
- B. Place backfill and fill soil materials evenly on all sides of structures to required elevations, and uniformly along the full length of each structure. Compact soil materials as indicated on drawings or as indicated in the Project Geotechnical
- Report.
 C. Provide construction phase monitoring and testing as recommended in the project Geotechnical Report. Provide test reports to the Project Geotechnical Engineer for review and approval.

 1.6 GRADING
 A. General: Uniformly grade areas to a smooth surface, free of irregular surface changes. Comply with compaction requirements and grade to cross sections, lines, and elevations indicated.

 1. Provide a smooth transition between adjacent existing grades and new grade.
- innes, and elevations indicated.

 1. Provide a smooth transition between adjacent existing grades and new grades.

 2. Cut out soft spots, fill low spots, and trim high spots to comply with
- B. Landscape Islands: Fill all curbed islands to top of curb with topsoil and apply seed and mulch unless drawings indicate otherwise.

 C. Slopes: Do not create cut or fill slopes steeper than 2h:1v without obtaining special written permission from the Engineer of Record and project Geotechnical
- 1 7
 - Protecting Graded Areas: Protect newly graded areas from traffic, freezing, or erosion. Keep free of trash and debris. See erosion and sediment control plan notes for further information.

Environmental Limitations: Do not apply asphalt materials if subgrade is wet or

- Environmental Limitations: Do not apply asphalt materials if subgrade is wet or excessively damp, if roin is imminent or expected before time required for adequate cure, or if the following conditions are not met:

 1. Prime Coat: Minimum surface temperature of 60 deg F.

 2. Tack Coat: Minimum surface temperature of 60 deg F.

 3. Slurry Coat: Comply with weather limitations in ASTM D 3910.

 4. Asphalt Base Course: Minimum surface temperature of 40 deg F and rising at time of placement.

 5. Asphalt Surface Course: Minimum surface temperature of 60 deg F and rising at time of placement.
- at time of placement.

 1.2 ASPHALT MATERIALS

 A. Refer to Project Geotechnical Report and project drawings for required asphalt
- material design.

 B. Aggregates shall meet the requirements of the local Department of
- Reclaimed Asphalt Pavement (RAP) shall not be used in the mix design 1.3 PATCHING
- PATCHING
 A. Asphalt Pavement: Saw cut perimeter of patch and excavate existing pavement section to sound base. Excavate rectangular or trapezoidal patches, extending 12 inches into perimeter of adjacent sound pavement, unless otherwise indicated. Cut excavation faces vertically. Remove excavated material. Recompact existing unbound—aggregate base course to form new subgrade.

 B. Tack Coat: Before placing patch material, apply tack coat uniformly to vertical
- asphalt surfaces abutting the patch. Apply at a rate of 0.05 to 0.15 gal./sq.
- . Allow tack coat to cure undisturbed before applying hot-mix asphalt paying
- Awold smearing or staining adjaining surfaces, appurtenances, and surroundings. Remove spillages and clean affected surfaces, and surroundings Remove spillages and clean affected surfaces.

 C Placing Patch Material: Fill exacaveted povement areas with hot—mix asphalt base mix for full thickness of patch and, while still hot, compact flush with

SURFACE PREPARATION

- . General: Immediately before placing asphalt materials, remove loose and A. General: Immediately before placing asphalt materials, remove loose and deleterious material from substrate surfaces. Ensure that prepared subgrade is ready to receive paving. Sawcut existing pavement to the joined to provide vertical faces between new and existing surfaces.
 B. Emulsified Asphalt Prime Coat: Apply uniformly over surface of compacted unbound—aggregate base course at a rate of 0.10 to 0.30 gal./sq. yd. per
- inch depth. Apply enough material to penetrate and seal, but not flood, surface. Allow prime coat to cure.
- 1. If prime coat is not entirely absorbed within 24 hours after application If prime coat is not entirely absorbed within 24 hours after application, spread sand over surface to blot excess asphalt. Use enough sand to prevent pickup under traffic. Remove loose sand by sweeping before povement is placed and after volatiles have evaporated. Protect primed substrate from damage until ready to receive poving. ck Coat: Apply uniformly to surfaces of existing povement at a rate of 02 to 0.08 per large.
- 1. Allow tack coat to cure undisturbed before applying hot-mix asphalt
- 2. Avoid smearing or staining adjoining surfaces, appurtenances, and
- Avoid smearing or staining adjoining surfaces, appurtenances, and surroundings. Remove spillages and clean affected surfaces.
 PLACING HOT—MIX ASPHALT
 B. Machine place hot—mix asphalt on prepared surface, spread uniformly, and strike off. Place asphalt mix by hand in areas inaccessible to equipment in a manner that prevents segregation of mix. Place each course to required grade, cross section, and thickness when compacted.

 1. Place hot—mix asphalt base course in number of lifts and thicknesses indicated.

 - 2. Place hot-mix asphalt surface course in single lift.
 3. Spread mix at a minimum temperature of 250 deg F.
- Spread mix at a minimum temperature of 250 aeg r.
 Begin applying mix along centerline of crown for crowned sections and on high side of one—way slopes unless otherwise indicated.
 Regulate paver machine speed to obtain smooth, continuous surface 5. Regulate paver machine speed to obtain smooth, continuous surface free of pulls and tears in asphalt—poving mat.

 8. Place paving in consecutive strips not less than 10 feet wide unless infill edge strips of a lesser width are required.

 1.6 JOINTS
- Construct joints to ensure a continuous bond between adjoining paving sections. Construct joints free of depressions, with same texture and smoothness as other sections of hot—mix asphalt course.

 Construct smooth transitions between new and existing paving sections.
- A. General: Begin compaction as soon as placed hot-mix paving will beg
- roller weight without excessive displacement. Compact hot-mix paving with hot, hand tampers or with vibratory-plate compactors in areas inaccessible to rollers. Complete compaction before mix temperature cools

- inaccessible to rollers. Complete compaction before mix temperature cools to 185 dag F.

 1. Initial Lift: Average of 92% of maximum theoretical density.

 2. Top Surface Lift: Average of 93% of maximum theoretical density.

 3. Tolerance: +2.0%, -1.0% of any individual test.

 B. Finish Rolling: Finish roll paved surfaces to remove roller marks while hot—mix asphalt is still warm.

 C. Erect barricades to protect poving from traffic for at least 24 hours after placement for the binder course, and at least 72 hours after placement for the final wearing surface. or the final wearing surface.
- D. If the ambient air temperature is in excess of 90 degrees Farenheit during the 72 hour protection period, the povernent surface shall be flooded with water to rapidly cool the pavernent at least once per day.

 1.8 FIELD QUALITY CONTROL.
- Testing Agency: Engage a qualified testing agency to perform tests and inspections.
- Inspections.

 B. Conduct tests and reports specified in the project geotechnical report.

 C. Testing agency must inspect and approve the subgrade, each fill layer, and the subbase and base course.

 D. Promptly send test reports to the Testing Engineer for review and
- E. Remove and replace or install additional hot-mix asphalt where test results or measurements indicate that it does not comply with specified

CONCRETE PAVING 1.1 PROJECT CONDITIONS

- Traffic Control: Maintain access for vehicular and pedestrian traffic as required for other construction activities. STEEL REINFORCEMENT A. Plain—Steel Welded Wire Reinforcement: ASTM A 185/A 185 M, fabricated
- from as-drawn steel wire into flat sheets.

 B. Reinforcing Bars: ASTM A 615/A 615M, Grade 60; deformed.
- Reinforcing Bors: ASIM A 615/A 615M, Grade 60; deformed.
 Joint Dowel Bors: ASIM A 615/A 615 M, Grade 60 plain—steel bars. Cut bars true to length with ends square and free of burrs.
 Bar Supports: Bolsters, chairs, spacers, and other devices for spacing, supporting, and fastening reinforcing bars, welded wire reinforcement, and dowels in place. Manufacture bar supports according to CRSI's "Manual of Standard Practice" from steel wire, plastic, or precast concrete of greater compressive strength than concrete specified, and as follows:

 1.3 CONCRETE MATERIALS

- ONCRETE MATERIALS

 Cementitious Moteriol: Use cementitious materials, of same type, brand, ond source throughout Project.

 Normal—Weight Aggregates: ASTM C33, uniformly graded. Provide aggregates from a single source.

 1. Maximum Course—Aggregate Size: 1 inch nominal.

 2. Fine Aggregate: Free of materials with deleterious reactivity to alkali in
- cement.
 1.4 RELATED MATERIALS
 Joint Fillers: ASTM D 1751, asphalt—saturated cellulosic fiber in preformed
- WHEEL STOPS Wheel Stops: INNOPLAST model No. PBD6. Size: 6'-0"x4-\frac{1}{2}"x7". Material: Solid LDPE. Color: Yellow. Provide chamfered corners and drainage slots on underside and holes for anchoring to substrate.
- 1.6 SIDEWALKS
 Sidewalks: Slope sidewalks away from building with a 2% cross-slope unless
- Drawings indicate otherwise. PREPARATION Remove loose material from compacted subbase surface immediately before
- 1.8 STEEL REINFORCEMENT STEEL REINFORCEMENT

 A. General: Comply with CSRI's "Manual of Standard Practice" for fabricating, placing, and supporting reinforcement.

 B. Clean reinforcement of loose rust and mill scale, earth, ice, or other bond—reducing materials.

 C. Arrange, space, and securely tie bars and bar supports to hold
- reinforcement in position during concrete placement. Maintain minimum cover to reinforcement. D. Install welded wire reinforcement in lengths as long as practicable. Lap
- odjoining pieces at least one full mesh, and lace splices with wire. Offset laps of adjoining widths to prevent continuous laps in either direction. E. Zinc-Coated Reinforcement: Use galvanized-steel wire ties to fasten zinc-coated reinforcement. Repair cut and damaged zinc coatings with

- General: Form construction, isolation, and contraction joints and tool edges true A. General: Form construction, isolation, and contraction joints and tool edges true to line, with faces perpendicular to surface plane of concrete. Construct transverse joints at right angles to centerline unless otherwise indicated.

 1. When joining existing paving, place transverse joints to align with previously placed joints unless otherwise indicated.

 2. Ensure forms provide correct horizontal and vertical alignment between new and existing povements, sidewalks, curb and gutter, etc.

 B. Construction Joints: Set construction joints at side and end terminations of paving and at the others when paving according reasons that are particular.
- and at locations where paving operations are stopped for more than one-hal hour unless paving terminates at isolation joints.

 1. Continue steel reinforcement across construction joints unless otherwise
- indicated. Do not continue reinforcement through sides of paving strips unless
- otherwise indicated.

 2. Provide tie bars at sides of paving strips where indicated.

 3. Keyed Joints: Provide preformed keyway-section forms or bulkhead forms with keys unless otherwise indicated. Embed keys at least 1-1/2 inches into
- 4. Doweled Joints: Install dowel bars and support assemblies at joints where
- Towered outsiles instance due buts adjust one-half of dowel length to prevent concrete bonding to one side of joint.

 C. Isolation Joints: Form isolation joints of preformed joint-filler strips abutting concrete curbs, catch basins, manholes, inlets, structures, other fixed objects, and
- where indicated.

 1. Locate expansion joints at intervals of 30 feet unless otherwise indicated.

 2. Extend joint fillers full width and depth of joint.

 3. Terminate joint filler not less than ½ inch or more than 1 inch below finished
- surface if joint sealant is indicated.

 4. Place top of joint filler flush with finished concrete surface if joint sealant is
- 5. Furnish joint fillers in one-piece lengths. Where more than one length is
- Furnish joint fillers in one—piece lengths. Where more than one length is required, lace or clip joint-filler sections tagether.
 During concrete placement, protect top edge of joint filler with metal, plastic, or other temporary preformed cap. Remove protective cap after concrete has been placed on both sides of joint.
 Contraction Joints: Form weakened—plane contraction joints, sectioning concrete into areas as indicated. Construct contraction joints for a depth equal to at least one—fourth of the concrete thickness, as follows:
 Grooved Joints: Form contraction joints after initial floating by grooving and finishing each edge of joint with proving tool to a ¼—inch gradius. Repeat
- finishing each edge of joint with grooving tool to a 14-inch radius. Repeat
- finishing each edge of joint with grooving tool to a ¼-inch radius. Repeat grooving of contraction joints after applying surface finishes. Eliminate grooving-tool marks on concrete surfaces.

 Sawed Joints: Form contraction joints with power saws equipped with shatterproof abrasive or diamond-rimmed blades. Cut 1/8-inch-wide joints into concrete when cutting action will not tear, abrade, or otherwise damage surface and before developing random partners in grades. and before developing random contraction cracks.

 3. Doweled Contraction Joints: Install dowel bars and support assemblies at joints
- where indicated. Lubricate or coat with asphalt one-half of dowel length to prevent concrete bonding to one side of joint. E. Edging: After initial floating, tool edges of paving, gutters, curbs, and joints in
- concrete with an edging tool to a X-inch radius. Repeat tooling of edges after applying surface finishes. Eliminate edging-tool marks on concrete surfaces.

 1.10 FIELD QUALITY CONTROL

 A. Testing Agency: Engage a qualified testing agency to preform tests and
- omptly send test reports to the Engineer for review and approval
- B. Promptly send test reports to the Engineer for review and approval. C. Testing Services: Testing of composite samples of fresh concrete obtained according to ASTM C 172, shall be performed by the General Contractor's testing agency according to the following requirements:

 Testing Frequency: Obtain at least one composite sample for each 100 cu. yd. or fraction thereof of each concrete mixture placed each day. When frequency of testing will provide fewer than five compressive—strength tests for each concrete mixture, testing shall be conducted from at least five randomly selected batches or from each batch if fewer than five are used.
 Slump: ASTM C 143/C 143 M, one test at point of placement for each
- composite sample, but not less than one test for each day's pour of each concrete mixture. Perform additional tests when concrete consistency appear
- 3. Air Content: ASTM C 231, pressure method; one test for each composite sample, but not less than one test for each day's pour of each concrete
- 4. Concrete Temperature: ASTM C 1064/C 1064 M: one test hourly when ai temperature is 40 deg F and below and when it is 80 deg F and above, and one test for each composite sample.

 5. Compression Test Specimens: ASTM C 31/C 31 M; cast and laboratory cure one set of three standard cylinder specimens for each composite sample.

- set of three standard cylinder specimens for each composite sample.

 6. Compressive—Strength Tests: ASTM C 39/C 39 M; test one specimen at seven days and two specimens at 28 days. A compressive—strength test shall be the average compressive strength from two specimens obtained from same composite sample and tested at 28 days.

 D. Strength of each concrete mixture will be satisfactory if average of any three consecutive compressive—strength test equals or exceeds specified compressive strength and no compressive—strength test value falls below specified compressive strength by more than 500 psi.

 E. Test results shall be reported in writing to Testing Engineer, concrete manufacturer, and Contractor within 48 hours of testing. Reports of compressive—strength tests shall contain Project identification name and number, date of concrete placement, name of concrete testing and inspecting agency, location of concrete batch in Work, design compressive strength at 28 days, concrete mixture proportions and materials, compressive strength at 28 days, concrete mixture proportions and materials, compressive breaking strength and type of break for both 7— and 28—day tests.
- R. Additional Tests: Testing and inspecting agency shall make additional tests of concrete when test results indicate that slump, oir entrainment, compressive strengths, or other requirements have not been met, as directed by Engineer. G. Concrete paving will be considered defective if it does not pass tests and
- inspections.

 H. Additional testing and inspecting, at Contractor's expense, will be performed to determine compliance of replaced or additional work with specified requirements.
- I. Prepare test and inspection reports.
 REPAIRS AND PROTECTION
- I REPAÍRS AND PROTECTION

 A. Remove and replace concrete paving that is broken, damaged, or defective or that does not comply with requirements in this Section. Remove work in complete sections from joint to joint unless otherwise approved by Testing Engineer.

 B. Drill test cores, where directed by Testing Engineer, when necessary to determine magnitude of cracks or defective creas. Fill drilled core holes in satisfactory paving areas with portland cement concrete bonded to paving with epoxy adhesive.

 C. Protect concrete paving from damage. Exclude traffic from paving for at least 14 days after placement. When construction traffic is permitted, maintain paving as clean as possible by removing surface stains and spillage of materials as they
- D. Maintain concrete paving free of stains, discoloration, dirt, and other foreign material. Sweep paving not more than two days before date scheduled for

PAVEMENT MARKINGS 1.1 QUALITY ASSURANCE

Regulatory Requirements: Comply with materials, workmanship, and other applicable requirements of state DOT or local municipality for pavement—

FIELD CONDITIONS Environmental Limitations: Proceed with pavement marking only on clean, dry surfaces and at a minimum ambient or surface temperature of 40 deg F for alkyd materials, 55 deg F for water—based materials, and not exceeding 95 deg

1.3 PAVEMENT MARKING PAINT

A. Pavement—Marking Paint: Alkyd—resin type, lead and chromate free, ready mixed, complying with AASHTO M 248; colors complying with FS TT—P—1952. Color: As indicated.

Color: As indicated.

B. All powement marking within D.O.T. right—of—way shall be thermoplastic and in accordance with D.O.T. specifications.

1.4 PAVEMENT MARKING
Apply temporary pavement marking before traffic is allowed on any newly paved area or as site conditions dictate. Allow final wearing surface to age for a minimum of 30 days before applying final permanent pavement marking.

1.5 PROTECTING AND CLEANING
A PROTECTING AND CLEANING

A. Protect payement markings from damage and wear during remainder of construction period.

B. Clean spillage and soiling from adjacent construction using cleaning agents and

CHAIN LINK FENCES AND GATES

1.1 PROJECT CONDITIONS
Field Measurements: Verify layout information for chain—link fences and gates shown on Drawings in relation to property survey and existing structures. Verify dimensions by field measurements. 1.2 WARRANTY

Special Warranty: Manufacturer's standard form in which Installer agrees to repair

Special Warranty: Manufacturer's standard form in which Installer agrees to repair or replace components of chain—link fences and gates that fail in materials or workmanship within specified warranty period.

1.3 CHAIN—LINK FENCE FABRIC
General: Provide fabric in one—piece heights measured between top and bottom of outer edge of selvage knuckle or twist. Comply with CLFMI Product Manual and with requirements indicated below:

1. Fabric Height: As indicated on Drawings.
2. Steel Wire Fabric: Wire with a diameter of 0.148 inch.
a Mesh Size 2. inches

a. Mesh Size: 2 inches.

a. Mesn Size: 2 inches.
b. Polymer—Coated Fabric: ASTM F 668, over zinc—coated steel wire.
Color: Black, complying with ASTM F 934.
3. Selvage: Twisted top and knuckled bottom.

FENCE FRAMING
Posts and Rails: Comply with ASTM F 1043 for framing, including rails, braces, and line; terminal; and corner posts. Provide members with minimum dimension and wall thickness according to ASTM F 1043 based on the following:

1. Fence Height: As indicated on Drawings.

2. Material

a. Line Posts: 1.9 inches in diameter.

b. End, Corner and Pull Posts: 2.375 inches.

3. Horizontal Framework Members: top rails complying with ASTM F 1043.
Ton Rail: 1.66 inches in diameter.

Top Rail: 1.66 inches in diameter.

4. Brace Rails: Comply with ASTM F 1043.

5. Metallic Coating for Steel Framing:

Type A, consisting of not less than minimum 2.0-oz./sq. ft. average zinc coating per ASTM A 123/A 123M or 4.0-oz./sq. ft. zinc coating per ASTM A 653/A 653 M. Metallic-Coated Steel Wire: 0.177-inch-dimater, marcelled tension wire complying with ASTM A 817 and ASTM A 824, with the following metallic coating: Type I

risk A SIV WID ASIM A 624, WITH the following metallic coating: Type II, zinc coated (galvanized) by hot-dip process, with the following minimum coating weight: Matching chain-link fabric coating weight.

SWING GATES A. General: Comply with ASTM F 900 for gate posts and single or double swing

gate types.

1. Gate Leaf Width: As indicated.

2. Gate Fabric Height: As indicated.

B. Pipe and Tubing:

1. Zinc-Coated Steel: Comply with ASTM F 1043 and ASTM F 1083; protective i. ZHIC—Loated Steel: Comply with ASTM F 1043 and ASTN coating and finish to match fence framing.
2. Gate Posts: Round tubular steel.
3. Gate Frames and Bracing: Round tubular steel.
Frame Corner Construction: assembled with corner fittings.
Hardware:
1. Hinnes: 150 J

Hardware:
 1. Hinges: 360—degree inward and outward swing.
 2. Latches permitting operation from both sides of gate with provision for padlocking accessible from both sides of gate.

FILLINGS A. General: Comply with ASTM F 626. B. Post Caps: Provide for each post. Provide line post caps with loop to receive

tension wire or top rail. C. Rail and Brace Ends: For each gate, corner, pull, and end post.

D. Roll Fittings: Provide the Following:

1. Top Roll Sleeves: Pressed—steel or round—steel tubing not less than 6 1. Top Rail Sleeves: Pressed—steel or round—steel tubing not less than 6 inches long.
2. Rail Clamps: Line and corner boulevard clamps for connecting rails in the fence line—to—line posts.
E. Tension and Brace Bands: Pressed steel.
F. Tension Bars: Stee, length not less than 2 inches shorter than full height of chain—link fabric. Provide one bar for each gate and end post, and two for each corner and pull post, unless fabric is integrally woven into post.
6. Truss Road Assemblies: Steel, hot—top galvanized after threading rod and turnbuckle or other means of adjustment.
H. Tie Wires Clins and Ensteanes: According to ASTM E-626 Standard Round.

turnbuckle or other means of adjustment.

H. Tile Wires, Clips, and Fosteners: According to ASTM F 626. Standard Round Wire Ties: For attaching chain—link fabric to posts, rails, and framers, complying with the following: Hot—Dip Galvanized Steel: 0.148—inch—diameter wire; galvanized coating thickness matching coating thickness of chain—link fence fabric.

1.8 GROUT AND ANCHORING CEMENT

GROUT AND ANCHORING CEMENT

A. Nonshrink, Nonmetallic Grout: Premixed, factory—packaged, nonstaining, noncorrosive, nongaseous grout complying with ASTM C 1107. Provide grout, recommended in writing by manufacturer, for exterior applications.

B. Erosion—Resistant Anchoring Cement: Factory—packaged, nonshrink, nonstaining, hydraulic—controlled expansion cement formulation for mixing with potable with the packet part of the provider part of the provider part of the packet part of the packet part of the packet part of the packet p water at Project site to create pourable anchoring, patching, and grouting compound. Provide formulation that is resistant to erosion from water exposure without needing protection by a sealer or waterproof coating and hat is recommended in writing by manufacturer, for exterior applications

Gates: Adjust gates to operate smoothly easily and quietly free of hinding varp, excessive deflection, distortion, nonalignment, misplacement, disruption, or malfunction, throughout entire operational range. Confirm that latches and locks engage accurately and securely without forcing or binding.

> WARNING: CONTRACTOR TO VERIFY PRESENCE AND EXACT LOCATION DEPTH & SIZE OF ALL UTILITIES PRIOR TO CONSTRUCTION.



STORE NUMBER:

14575 MUNDY DRIVE NOBLESVILLE, IN (HAMILTON COUNTY) PROJECT TYPE: SITE MODIFICATIONS **DEAL TYPE** FEE FOR SERVICE

8904

CS PROJECT NUMBER:

ENGINEER:

|Kimley»Horn

CONSULTANT:

KIMLEY-HORN AND ASSOCIATES, INC. 500 E. 96TH ST., SUITE 300 INDIANAPOLIS, IN 46240 TEL: (317) 218-9560 CONTACT: ANDY TAYLOR

DEVELOPER:

SEAL:

REVISIONS:

DRAWING BY

JOB NUMBER

DATE:

TITLE: **GENERAL SPECIFICATIONS**

C1.1

RCB

07/28/2023

170425000

SHEET NUMBER:

DEMOLITION NOTES

GENERAL DEMOLITION NOTES

CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF THE EXISTING STRUCTURES, RELATED UTILITIES, PAVING, AND ANY OTHER EXISTING IMPROVEMENTS AS NOTED.

- CONTRACTOR IS TO REMOVE AND DISPOSE OF ALL DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM PREVIOUS AND CURRENT DEMOLITION OPERATIONS. DISPOSAL WILL BE IN ACCORDANCE WITH ALL LOCAL, STATE AND/OR FEDERAL REGULATIONS GOVERNING SUCH OPERATIONS.
- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSBIEL MEASUREMENTS TAKEN IN THE TIELD. THE WHORDMANTON IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES.
- IF DEMOLITION OF CONSTRUCTION ON SITE WILL INTERFERE WITH THE ADJACENT PROPERTY OWNER'S TRAFFIC FLOW, THE CONTRACTOR SHALL COORDINATE WITH ADJACENT PROPERTY OWNER, TO MINIMIZE THE IMPACT ON TRAFFIC FLOW, TEMPORARY RE-ROUTING OF TRAFFIC IS TO BE ACCOMPLISHED BY USING INDOT APPROVED TRAFFIC ARRICADES, BARRELS, AND/OR CONES. TEMPORARY SIGNAGE AND FLAGMEN MAY BE ALSO NECESSARY.

- PRIOR TO BIDDING AND CONSTRUCTION, CONTRACTOR TO REFER TO OWNER PROVIDED PHASE I ENVIRONMENTAL SITE ASSESSMENT AND ASSESTOS REPORT FOR SITE SPECIFIC CONDITIONS AND CONSIDERATIONS.
- CONTRACTOR SHALL BEGIN CONSTRUCTION OF ANY LIGHT POLE BASES FOR RELOCATED LIGHT FIXTURES AND RELOCATION OF ELECTRICAL SYSTEM AS SOON AS DEMOLITON BEGINS. CONTRACTOR SHALL BE AWARE THAT INTERRIPTION OF POWER TO ANY LIGHT POLES OR SIGNS SHALL NOT EXCEED 24 HOURS.
- EROSION CONTROL MUST BE ESTABLISHED PRIOR TO ANY WORK ON SITE INCLUDING DEMOLITION, REFER TO THE EROSION CONTROL SHEET.
- REFER TO GEOTECHNICAL REPORT PROVIDED BY OTHERS FOR ALL SUBSURFACE INFORMATION.

DEMOLITION NOTES

THE EXPENT OF SIT DECLIFION YORK IS AS SHOWN ON THE CONTRACT THE EXPENT OF SIT DECLIFION THE PROPERTY OF SIT DECLIFION OF THE SHOWN OF THE CONTRACT DEVICE OF THE SIT OF THE SIT

- SIDEWAL AND ON—SITE PAVEMENT

 BILLIDINGS, FOUNDATIONS, AND SUPPORTING WALLS AND SLABS

 DEBRIS AND FOUNDATIONS FROM ALL DEMOLISHED STRUCTURES

 ALL PAVEMENT TO BE REMOVED ADJACENT TO PAVEMENT THAT IS TO
 REMAIN SHALL BE SANCUT PULL DEPTH AT THE EDES PRIOR TO
 REMAIN SHALL BE SANCUT PULL DEPTH AT THE EDES PRIOR TO
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 REMAIN SHALL BE SANCUT PULL DEPTH AT THE EDES PRIOR TO

CONTRACTOR MUST RECEIVE APPROVAL FROM CIVIL ENGINEER AND GEOTECHNICAL ENGINEER FOR THE MATERIAL TYPE AND USE IF CONTRACTO DESIRES TO REUSE DEMOLISHED SITE PAVEMENT AS STRUCTURAL FILL.

DISPOSAL OF DEMOLISHED MATERIALS

REMOVE FROM SITE DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM DEMOLITION OFFRATIONS. BURNING OF REMOVED MATERIALS FROM DEMOLISHED STRUCTURES WILL NOT BE PERMITTED ON SITE. TRANSPORT MATERIALS REMOVED FROM DEMOLISHED STRUCTURES AND DISPOSE OF OFF SITE IN A LEGAL MANNER.

LANDSCAPE PROTECTION AND REMOVAL

SEE LANDSCAPE PLANS FOR INFORMATION ON LANDSCAPE AND TREE PROTECTION, PRESERVATION AND REMOVAL.

UTILITY SERVICES

EXISTING UTILITIES, WHICH DO NOT SERVICE STRUCTURES BEING DEMOUSHED, ARE TO BE KEPT IN SERVICE AND PROTECTED AGAINST DAMAGE DURING DEMOUTION POPERATIONS. CONTRACTOR SHALL ARRANGE FOR SHUT-OFF OF UTILITIES SERVING STRUCTURES TO BE DEMOUSHED. CONTRACTOR IS RESPONSIBLE FOR TURNING OFF, DISCONNECTION, AND SEALING INDICATED UTILITIES BEFORE STARTING DEMOUTION OPERATIONS. EXISTING UTILITIES TO BE ABANDONED ARE TO BE CAPPED AT BOTH ENDS AND FULED WITH FLOWARDE FILL OF PROVIDE DEVIL. ALL UNDERFROOMING UTILITIES TO BE CECAVATED MATERIAL, AS APPROVED BY THE GOTICTO-INCAL ENGINEER, TO 95% OF MODIFIED PROCTOR DENSITY WITHIN PAVED AREAS AND TO 90% OF MODIFIED PROCTOR DENSITY FOR GREEN SPACE AREAS, IN ACCORDANCE WITH THE EARTHWORK SPECIFICATIONS. ALL PRIVATE UTILITIES (LECTRIC, CABLE, TILEPHONE, FIBER OPINC, GAS) SHALL BE REMOVED AND RELOCATED PER THE UTILITY OWNER AND THE LOCAL MUNICIPALITY'S REQUIREMENTS.

UTILITY PROTECTION

UNDERGROUND DITLITIES SHOWN APE BASED ON ATLASES AND AVAILABLE INFORMATION PRESENTED AT THE TIME OF SURVEY. CONTRACTOR SHOULD CALL INDIANA BIT (BIT OR 800–382–584) TO COORGINATE FIELD LOCATIONS OF EXISTING UNDERGROUND UTILITIES BEFORE ORDERING MATERIALS OR COMMENCING CONSTRUCTION. NOTIFY ENGINEER OF ANY DISCREPANCIES IMMEDIATELY. CONTRACTOR SHALL LOCATE AND PROTECT EXISTING UNDERGROUND AND OVERHEAD UTILITIES DURING CONSTRUCTION OF CONSTRUCTION PROCESS. ALL DAMAGED STRUCTURES SHALL BE REPLACED INSTRUCTION PROCESS. ALL DAMAGED STRUCTURES SHALL BE REPLACED INTO THE CONSTRUCTION PROCESS. ALL DAMAGED STRUCTURES SHALL BE REPLACED INTO THE CONTRACT. PROPER NOTIFICATION TO THE OWNERS OF RODERTIAL EXISTING CITILITIES SHALL BE MADE AT LEAST 48 HOURS BEFORE CONSTRUCTION COMMENCES.

POLLUTION CONTROLS

USE WATER SPRINKLING, TEMPORARY ENCLOSURES, AND OTHER SUITABLE METHODS TO LIMIT DUST AND DIRT RISING AND SCATTERING IN THE AIR TO THE LOWEST LEVEL. COMPLY WITH ALL GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION. SEE EROSION CONTROL SHEETS FOR FUTHER EROSION CONTROL REQUIREMENTS.

EILLING HASEMENTS AND VOIDS

COMPLETELY FILL BELOW-CARDE AREAS AND VOIDS RESULTING FROM DEMOLITION OF STRUCTURES TO THE FINAL LINES AND GRADES SHOWN ON THE CONTRACT DOCUMENTS. BACKFILL MATERIAL SHALL BE INDOT APPROVED CRUSHED LIMESTONE OR APPROVED EQUAL. USE SATISFACTORY OSLI MATERIALS CONSISTING OF STONE, GRAVEL AND SAND, PREE FROM FROM THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE WASTERNALS, ENSURE THAT AREAS TO BE FRIGHT OF THE PROPERTY OF THE WASTERNALS IN HORIZONTAL LAYERS NOT EXCEPTING 9" IN LOSS DEPTH. COMPACT EACH LAYER AT OPTHUM MOISTURE CONTENT OF FILL MATERIAL TO 95% OF MODIFIED PROCTOR DENSITY UNITES SUBSCUENT EXCLANDING FOR NEW MORK IS REQUIRED.

SITE NOTES

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

EROSION CONTROL NOTES

TEMPORARY EROSION CONTROL NOTES

1. THE PLACEMENT OF EROSION/SEDIMENTATION CONTROLS SHALL BE IN ACCORDANCE WITH THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN.

- PRIOR TO FINAL ACCEPTANCE, HALL ROADS AND WATERWAY CROSSINGS CONSTRUCTED FOR TEMPORARY CONTRACTOR ACCESS MUST BE WATERWAY AND THE AREA RESTORED TO THE ORIGINAL GRADE AND REVEGETATED. ALL LAND CLEARING SHALL BE DISPOSED OF IN APPROVED SPOIL DISPOSAL SITES.
- PERMANENT, FINAL PLANT COVERING OR STRUCTURES SHALL BE INSTALLED PRIOR TO FINAL ACCEPTANCE.
- AS SOON AS FIELD CONDITIONS ALLOW ACCESS.

 ALL SEDIMENT DELTAS AND DEPOSITS MUST BE REMOVED FROM SURFACE WATERS, DRAINAGE WAYS, CATCH BASINS AND OTHER DRAINAG SYSTEMS. ALL AREAS WHERE, SEDIMENT REMOVAL RESULTED IN EXPOSED SOIL MUST FAKE PLACE IMMEDIATELY, BUT NO MORE THAN 7 STABILIZATION MUST TAKE PLACE IMMEDIATELY, BUT NO MORE AND FAMILY AND STABILIZATION AUST TAKE PLACE REGULATORY OR PHYSICAL ACCESS CONSTRAINTS. ALT REASONABLE FFORTS MUST BE USED TO OBITAIN ACCESS. ONCE ACCESS IS OBTAINED, REMOVAL AND STABILIZATION MUST TAKE PLACE IMMEDIATELY, BUT NO MORE THAN 7 DAYS LATER. CONTRACTOR IS RESPONSIBLE FOR CONTRACTION RESPONSIBLE FOR CONTRACTION ALL APPROPRIATE AUTHORITIES AND RECEIVING THE
- ACCUMULATIONS OF TRACKED AND DEPOSITED SEDIMENT MUST BE REMOVED FROM PET SITE PANED SURFACES WITHIN 24 HOURS OF STANDARD SURFACES WITHIN 24 HOURS OF THE STANDARD SEDIMENT OF THE STANDARD SEDIMENT OF THE PARTICE, LIKE A DEPICATE SITE EXT WIT AN AGGREGATE SURFACE ON DESIGNATED OFFSITE PARKING AREA. CONTRACTOR IS RESPONSIBLE FOR STREET SWEEPING AND/OR SCRAPIF OVER PRACTICES ARE NOT ADEQUATE TO PREVENT SEDIMENT FROM BEING TRACKED FROM THE SITE.
- SURFACE WATERS, DRAINAGE DITCHES AND CONVEYANCE SYSTEMS MUST BE INSPECTED FOR SEDIMENT DEPOSITS.
- PUMPING SEDIMENT LADEN WATER INTO ANY STORMWATER FACILITY THAT IS NOT DESIGNATED TO BE A SEDIMENT TRAP, DRAINAGEWAY, OF OFFSITE AREA EITHER DIRECTLY OR INDIRECTLY WITHOUT FILTRATION IS PROHIBITED.

- ALL TEMPORARY SESC MEASURES SHALL BE REMOVED WITHIN 30 DAY: AFTER FINAL STABILIZATION IS ACHIEVED TRAPPED SEDIMENT AND OTH DISTURBED SOILS RESULTING FROM TEMPORARY MEASURES SHALL BE PROPERLY DISPOSED OF PRIOR TO PERMANENT STABILIZATION.
- WATER REMOVED FROM TRAPS, BASINS, AND OTHER WATER HOLDING DEPRESSIONS OR EXCAVATIONS MUST FIRST PASS THROUGH A SEDIME CONTROL AND/OR FILTRATION DEVOCE. WHEN DEWATERING DEVOCES ARE USED, DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION.

USED, DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION. NOTE: THE SEQUENCE OF CONSTRUCTION SHOWN ADOVE IS A GENERAL OVERWEW AND IS INTENDED TO CONNEY THE GENERAL CONCEPTS OF THE EROSION CONTROL DESIGN AND SHOULD NOT BE RELIED UPON FOR CONSTRUCTION PURPOSES. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETAILED PHASING AND CONSTRUCTION SEQUENCING NECESSARY TO CONSTRUCT THE PROPOSED IMPROVEMENTS INCLUDED IN THESE PLANS. THE CONTRACTOR SHALL NOTIFY ENGINEER IN WRITING IMBEDIATELY, PRIOR TO AND /OR DURING CONSTRUCTION IF ANY ADDITIONAL INFORMATION ON THE CONSTRUCTION SEQUENCES IN NECESSARY. CONTRACTOR IS SOLELY RESPONSIBLE FOR COMMITTION OF THE AUTHORITY HAVING JIMPROSICTION AND AND HIS DIVENTION OF THE AUTHORITY HAVING JIMPROSICTION AND ALL OTHER APPLICABLE LAVIN.

GRADING NOTES

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



EXISTING LEGEND

& ACCESSIBLE SPACE © COMMUNICATIONS PEDESTAL III MAIL BOX

 COMMUNICATIONS PEDESTAL SANITARY SEWER MANHOLE CURB INLET E ELECTRIC JUNCTION BOX ® STORM MANHOLE

Q. GATE POST

MAG NAIL FOUND

-- SIGN STREET LIGHT

₩ WATER VALVE TREE

BUILDING SETBACK LINE SANITARY SEWER STORM SEWER LINDERGROUND ELECTRIC UNDERGROUND FIBER OPTIC CAB UNDERGROUND GAS UNDERGROUND WATER

BENCHMARKS

ELEV = 808.81' (NAVD 88)

CONTROL POINT 605 IS A MAG NAIL SET IN THE ASPHALT. IT SITS IN THE NORTHWEST CORNER OF THE PROPERTY APPROXIMATELY 4' EAST OF THE CURB AND 200' WEST OF MUNDY DRIVE AND 72' FROM THE NORTHWEST CORNER OF THE BUILDING.

CONTROL POINT 607 IS A MAG NAIL FOUND IN THE ASPHALT OF THE NORTHWEST CORNER OF THE PROPERTY, IT SITS APPROXIMATELY 200' WEST OF MUNDY DRIVE AND 59' FROM THE NORTHWEST CORNER OF THE BUILDING.

FIFV = 809.36 (NAVD88)



STORE NUMBER:

14575 MUNDY DRIVE NOBLESVILLE, IN (HAMILTON COUNTY) PROJECT TYPE: SITE MODIFICATIONS **DEAL TYPE:** FEE FOR SERVICE

8904

CS PROJECT NUMBER:

ENGINEER:

Kimley » Horn

CONSULTANT:

KIMLEY-HORN AND ASSOCIATES, INC. 500 E. 96TH ST., SUITE 300 INDIANAPOLIS, IN 46240 TEL: (317) 218-9560 CONTACT: ANDY TAYLOR

DEVELOPER:



DRAWING BY:	RCB
DATE:	07/28/2023
JOB NUMBER:	170425000

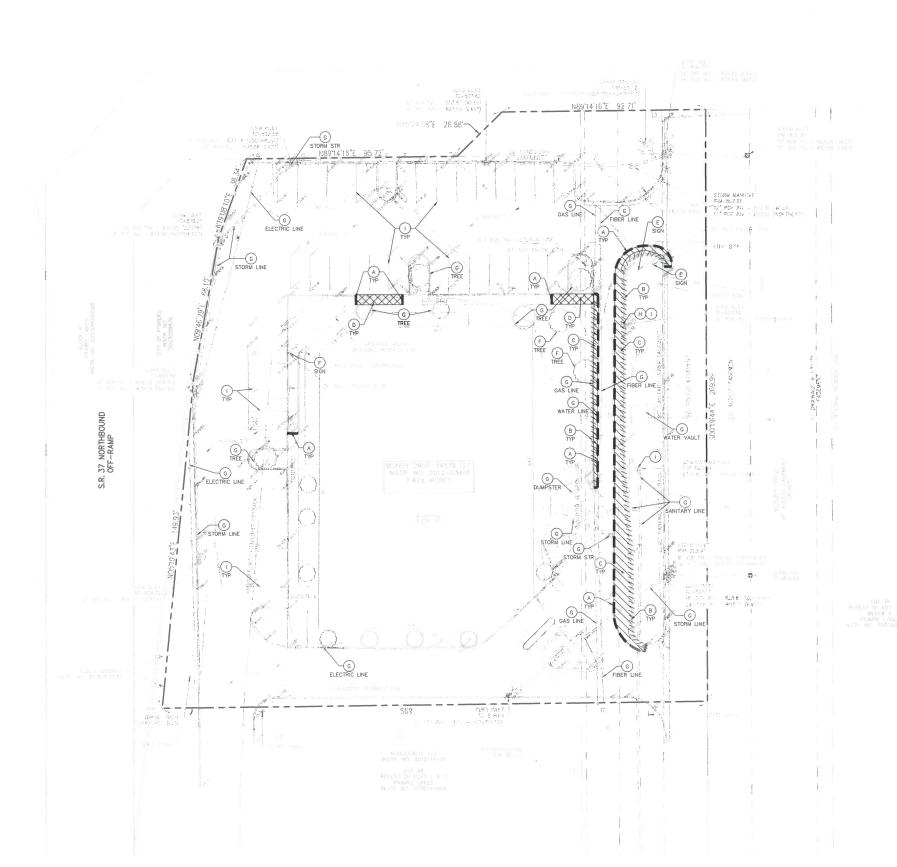
GENERAL NOTES

SHEET NUMBER:

TITLE:

C1.2

146 STREET





DEMOLITION LEGEND

A. SAWCUT LINE B. \cdot /-/-/-/-/-/-/-/- CURB REMOVAL

ITEM TO BE RELOCATED

ITEM TO BE REMOVED

REMOVE & REPLACE CASTING WITH NEENAH R-3472

REMOVE PAVEMENT MARKINGS

EXISTING LEGEND

COMMUNICATIONS PEDESTAL

COMMUNICATIONS PEDEST

CURB INLET

ELECTRIC JUNCTION BOX

© GATE POST

MAG NAIL FOUND

® STORM MANHOLE

☐ STREET LIGHT

MATER VALVE TREE

> BUILDING SETBACK LINE SANITARY SEWER STORM SEWER UNDERGROUND FIBER OPTIC CAB UNDERGROUND GAS
> UNDERGROUND WATER



STORE NUMBER:

8904 14575 MUNDY DRIVE NOBLESVILLE, IN (HAMILTON COUNTY) PROJECT TYPE SITE MODIFICATIONS
DEAL TYPE FEE FOR SERVICE

CS PROJECT NUMBER:

ENGINEER:

Kimley» Horn

CONSULTANT:

KIMLEY-HORN AND ASSOCIATES, INC. 500 E. 96TH ST., SUITE 300 INDIANAPOLIS, IN 46240 TEL: (317) 218-9560 CONTACT: ANDY TAYLOR

DEVELOPER:



EVISIONS:	

DRAWING BY: RCB DATE: 07/28/2023 JOB NUMBER: 170425000

EXISTING CONDITIONS AND DEMO PLAN

SHEET NUMBER:

C2.0

COMMENTS:

GENERAL PLAN NOTES

REFER TO GENERAL NOTES SHEET FOR MORE INFORMATION INCLUDING THE FOLLOWING: (EXISTING LEGEND, BENCHMARK INFORMATION, AND SPECIFIC GENERAL PLAN NOTES.)



EXISTING LEGEND

& ACCESSIBLE SPACE

 E
 ACCESSIBLE SPACE

 © COMMUNICATIONS PEDESTAL
 ■ MAIL BOX

 ☑ COMMUNICATIONS PEDESTAL
 ● SANITARY SEWER MANHOLE

COMMINIOR TONS PEDESTAL

CURB INLET

ELECTRIC JUNCTION BOX

GATE POST

MAG NAIL FOUND

ELEV = 808.81' (NAVD 88)

ELEV = 809.24' (NAVD 88)

 STORM MANHOLE STREET LIGHT

 WATER VALVE

BUILDING SETBACK LINE SANITARY SEWER

BENCHMARKS

CONTROL POINT 604 IS A MAG SPIKE SET IN GRASS AT THE NORTHEAST SECTION OF THE PROPERTY APPROXIMATELY 34' WEST OF MUNDY DRIVE.

CONTROL POINT 605 IS A MAG NAIL SET IN THE ASPHALT. IT SITS IN THE NORTHWEST CORNER OF THE PROPERTY APPROXIMATELY 4' EAST OF THE CUBB AND 200' WEST OF MUNDY DRIVE AND 72' FROM THE NORTHWEST CORNER OF THE BUILDING.

CONTROL POINT 606 IS A MAG SPIKE SET IN THE GRASS IN THE SOUTHWEST CORNER OF THE PROPERTY.

CONTROL POINT 607 IS A MAG NAIL FOUND IN THE ASPHALT OF THE NORTHWEST CORNER OF THE PROPERTY. IT SITS APPROXIMATELY 200' WEST OF MUNDY DRIVE AND 59' FROM THE NORTHWEST CORNER OF THE BUILDING.

TREE

STORM SEWER
UNDERGROUND ELECTRIC UNDERGROUND FIBER OPTIC CABI UNDERGROUND GAS UNDERGROUND WATER

SEAL COAT EXISTING PAVEMENT

SITE SUMMARY

PAVING LEGEND

HEAVY DUTY CONCRETE PAVEMENT SEE CONSTRUCTION DETAILS FOR PAVEMENT SECTION

= PB/PD = 1.42 AC.±

= 55 SPACES = 3 SPACES

= 44 SPACES = 3 SPACES

= 51 SPACES

CONSULTANT: KIMLEY-HORN

AND ASSOCIATES, INC. 500 E. 96TH ST., SUITE 300 INDIANAPOLIS, IN 46240

pharmacy

NOBLESVILLE, IN (HAMILTON COUNTY)

Kimley » Horn

PROJECT TYPE: SITE MODIFICATIONS **DEAL TYPE** FEE FOR SERVICE

CS PROJECT NUMBER:

STORE NUMBER:

14575 MUNDY DRIVE

ENGINEER:

EXISTING STOE SITE MODIFICATIONS

8904

TEL: (317) 218-9560 CONTACT: ANDY TAYLOR

DEVELOPER:

KEY NOTES

- 2. CONCRETE SIDEWALK, TYP. (SEE DETAILS)
- 5. CONNECT TO EXISTING PAVEMENT, SIDEWALK, CURB, TYP.
- 6. CONCRETE PARKING BUMPER TYP. (SEE DETAILS)
- ACCESSIBLE PARKING SIGN, TYP. (SEE PLAN FOR VAN LOCATION) (MUTCD R7-8, SEE DETAILS)
- 10. PAVEMENT MARKINGS (SEE DETAILS)
- 11. 4" WIDE PAVEMENT MARKING, WHITE SOLID LINE, TYP.
- 13. 24" WIDE STOP BAR W/ "DO NOT ENTER"
- 14. RELOCATED "STOP" SIGN

1. CONCRETE CURB, TYP. (SEE DETAILS)

PARKING SPACES (STANDARD) REQUIRED PARKING SPACES (ACCESSIBLE) REQUIRED

PARKING SPACES (STANDARD) PROVIDED PARKING SPACES (ACCESSIBLE) PROVIDED

TOTAL PARKING SPACES PROVIDED

- 3. COMBINED CURB AND WALK (SEE DETAIL) (5' FROM FACE OF CURB)
- 4. CONCRETE CURB AND GUTTER (SEE DETAILS)

- 7. ACCESSIBLE PAVEMENT MARKINGS, TYP. (SEE DETAILS)
- 9. ACCESSIBLE RAMP (SEE DETAILS)

- 12. 24" WIDE STOP BAR, TYP. (SEE DETAILS)
- 15. RELOCATED "DO NOT ENTER" SIGN

SEAL: REVISIONS:

RCB DRAWING BY: DATE: 07/28/2023 JOB NUMBER: 170425000

SITE PLAN

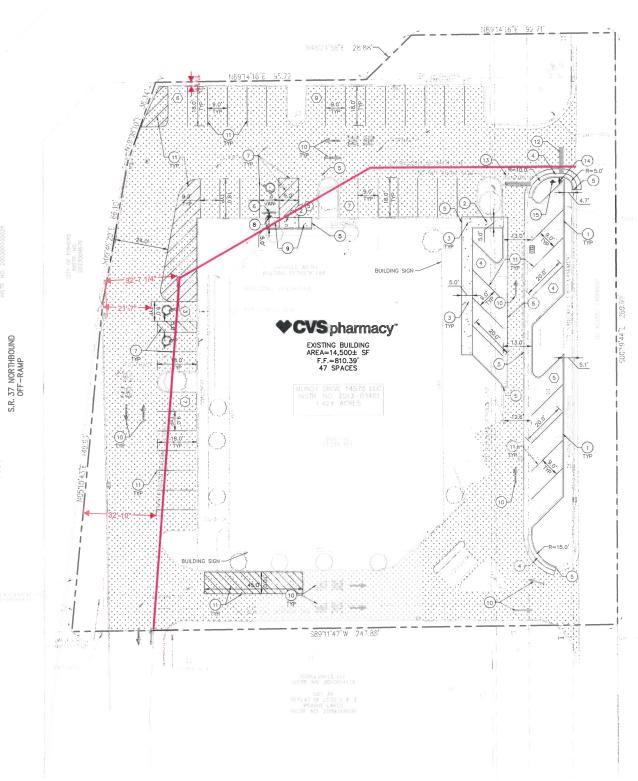
SHEET NUMBER:

TITLE:

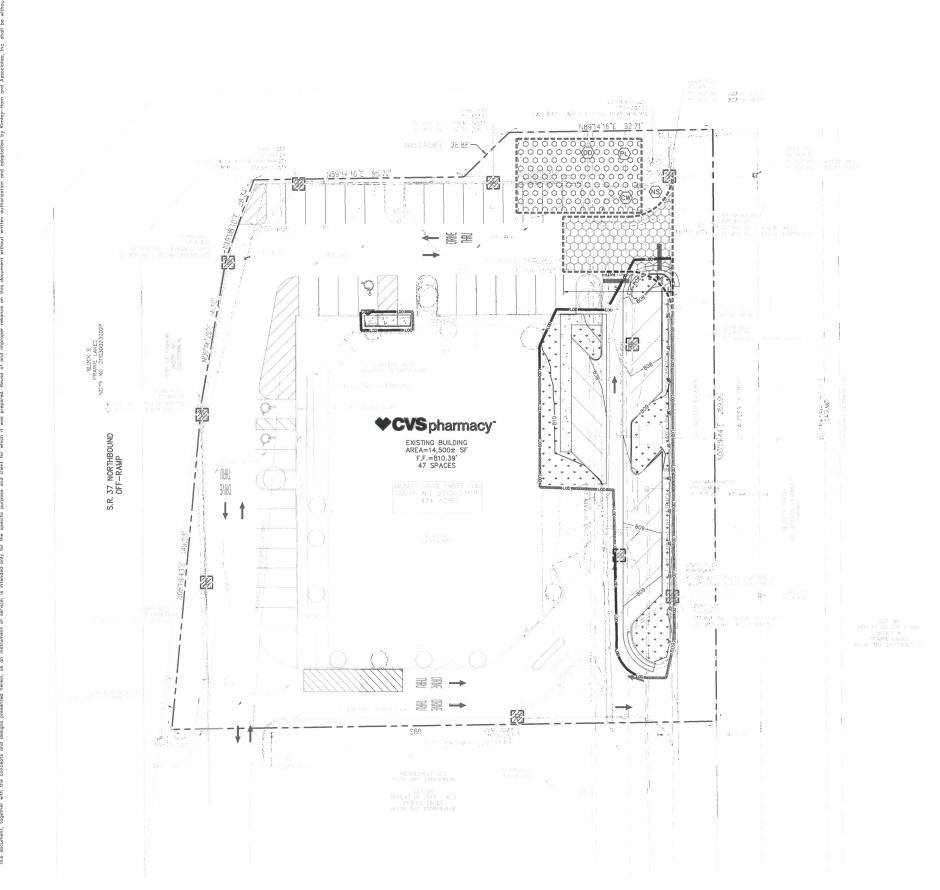
C3.0

COMMENTS:

GENERAL PLAN NOTES REFER TO GENERAL NOTES SHEET FOR MORE INFORMATION INCLUDING THE FOLLOWING: (EXISTING LEGEND, BENCHMARK INFORMATION, AND SPECIFIC GENERAL PLAN NOTES.)



146 STREET





FROSION CONTROL LEGEND

EKOSION	CONTROL LEGE
	TEMPORARY SEEDING (SEE EROSION CONTROL DETAILS)
22223	TEMPORARY EROSION CONTROL BLANKET (SEE TEMPORARY EROSION CONTROL NOT
58883	CONSTRUCTION ENTRANCE (EXISTING PAVEMENT)
	SILT FENCE (SEE EROSION CONTROL DETAILS)
	AREA INLET PROTECTION (SEE EROSION CONTROL DETAILS)
⟨CW⟩	CONCRETE WASHOUT (SEE EROSION CONTROL DETAILS) (TO BE DETERMINED BY CONTRACTOR)
	RIP RAP (SEE EROSION CONTROL DETAILS)
LOD	LIMITS OF DISTURBANCE
620	EXISTING CONTOURS
620	PROPOSED CONTOURS
(NS)	N.O.I. SIGN
000000	STAGING AREA
(DD)	DEBRIS DUMPSTER
(PL)	PORT-O-LET

EXISTING LEGEND

گِر	ACCESSIBLE SPACE	0	MAG NAIL SET
@	COMMUNICATIONS PEDESTAL	(** B	MAIL BOX
q	COMMUNICATIONS PEDESTAL	(3)	SANITARY SEWER MANHOLE
	CURB INLET	-0-	SIGN
(ELECTRIC JUNCTION BOX	9	STORM MANHOLE
0,	GATE POST	Ø	STREET LIGHT
0	MAG NAIL FOUND	M	WATER VALVE
		\bigcirc	TREE

= $=$ $=$
3
F0
W

BOUNDARY LINE BUILDING SETBACK LINE SANITARY SEWER STORM SEWER UNDERGROUND ELECTRIC UNDERGROUND FIBER OPTIC CABI UNDERGROUND GAS UNDERGROUND WATER



STORE NUMBER:

14575 MUNDY DRIVE NOBLESVILLE, IN (HAMILTON COUNTY) PROJECT TYPE: SITE MODIFICATIONS
DEAL TYPE: FEE FOR SERVICE

CS PROJECT NUMBER:

ENGINEER:

Kimley » Horn

CONSULTANT:

KIMLEY-HORN
AND ASSOCIATES, INC.
500 E. 96TH ST.,
SUITE 300
INDIANAPOLIS, IN 46240
TEL: (317) 218-9560
CONTACT: ANDY TAYLOR

DEVELOPER:

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Meletic

EVISIONS:	

DRAWING BY:	RO
DATE:	07/28/202
JOB NUMBER:	17042500

TITLE:

EROSION CONTROL PLAN

SHEET NUMBER:

C4.0

COMMENTS:

GENERAL PLAN NOTES

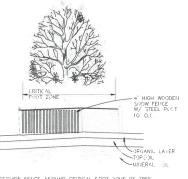
REFER TO GENERAL NOTES SHEET FOR MORE INFORMATION INCLUDING THE FOLLOWING: (EXISTING LEGEND, BENCHMARK INFORMATION, AND SPECIFIC GENERAL PLAN NOTES.)

STABILIZATION TYPE	JAN	FEE.	MAP	APR	MAs	JUNE	UNES	AUG.	JEP1	OCT	NOV	DEC.
PERMANENT SEEDING			•A			* _		•A *	-			
DORMANT SEEDING	В		-									В
TEMPORAR: SEEDING			•C			-		•D			-	
SUDDING				e **								
MULCHING	,F											

RENTUCE: BELUEGRA'S D WHEAT OR CEREAL INFRIGATION NEEDED DURING JUINE UP LEC /ACRE MIRED RYE 150 LEC /ACRE AND AURIET AND AURIET REGRASS TO LEC /ACRE

MENTUCH BLUEGFAS E SOD 135 LESYACRE MINED WITH PEREINNAL PIEGRASS 45 LESYAGRE + 2 TONS STRAW MULCH/AGRE

SEEDING CHART



PROMIDE FENCE AROUND CRITICAL FOOT ZONE OF TREE FENCE SHALL BE PLACED IN A CIPILE WITH A PADIUS OF 1° PER 1" DIAMATER OF THE TREE MEASURED AT 4.6" ABOVE GROWND FOR INDIVIDUAL TREES OR STANDS OF TREES.

TREE PROTECTION N.T.S.

pharmacy EXISTING STOE SITE MODIFICATIONS

STORE NUMBER:

14575 MUNDY DRIVE NOBLESVILLE, IN (HAMILTON COUNTY) PROJECT TYPE: SITE MODIFICATIONS
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TEL: (317) 218—9560
CONTACT: ANDY TAYLOR

DEVELOPER:



REVISIONS:				
1121101	0110.			

DRAWING BY:

07/28/2023

RCB

DATE:

JOB NUMBER:

EROSION CONTROL DETAILS

SHEET NUMBER:

C4.1

A26 LOCATIONS, SIZE AND DIMENSIONS OF PROPOSED STORMWATER SYSTEMS

B11 MONITORING AND MAINTENANCE GUIDELINES FOR EACH PROPOSED STORMWATER QUALITY MEASURE ALL DISTURBED AREAS WITHIN THE PROJECT SITE, INCLUDING ALL EROSION AND SEDIMENT CONTROL DEVICES, SHALL BE INSPECTED EVERY 7 DAYS AND WITTIN 24 HOURS AFTER A RAINFALL EVENT TOTALING 3/F OF RAIN OR MORE. INSPECTIONS AND WRITTEN REPORTS SHALL BE PREPARED BY A QUALIFIED PERSON WHO IS FAMILIAR WITH THIS SWPPP, THE PROJECT, AND THE PEN APPERS STORM WATER GENERAL PERMIT, PAPER COPIES OF INSPECTIONS SHALL BE KEPT ON-SITE FOR INSPECTION BY LOCAL AND STATE OFFICIALS.

1. TYPE OF INSPECTION BEAUTION. FIELD OBSERVATION ACTIONS TAKEN AS A RESULT OF INSPECTION RESULTS OVERALL ASSESSMENT OF SWPPP COMPLIANCE 3.5. THE CONTRACTOR SHALL KEEP A COPY OF THE REPORTS ONSITE AND PERMANENTLY FOR A PERIOD OF 2 YEARS FOLLOWING CONSTRUCTION 4.1. VERIFY ADEQUATE STONE COVERAGE
4.2. VERIFY CONSTRUCTION ACTIVITIES ARE NOT TRACKING SITE SOIL OUT ONTO ADJACENT ROADWAYS 5.1. INSPECT DAILY AS WASHOUT CONTAINMENTS ARE BEING USED AND AFTER EACH STORM EVEN 5.2. INSPECT THE SYSTEM FOR LEAKS OR SPILLS. DISCONTINUE USE IF UNITS ARE OVERFLOWING OR LEAKING. IMMEDIATELY INSTALLED "CLOSED" SIGN, COVER AND PUMP FLUIDS TO ADDITIONAL CONTAINMENTS OR REMOVE FROM THE SITE FOR PROPER DISPOSAL FOR TREATMENT OR REUSE AT THE CONCRETE PLANT. MAINTAIN ALL WEATHER ACCESS TO THE CONTAINMENT FACILITY TO MINIMIZE TRACKING INSPECT THE WATERPROOF LINING FOR FAILURE, INCLUDING TEARS AND PUNCTURES OR SLIDE DOWN FROM CONTAINMENT STRUCTURE WALLS. 5.5. WHEN CONTAINMENTS REACH 75 PERCENT OF CAPACITY OR ACCORDING TO THE CONTAINMENT FILL LEVEL REQUIREMENTS, DISCONTINUE USE WITH SIGNAGE IDENTIFYING "CLOSED", AND INSTALL OR BRING IN ADDITIONAL CONTAINMENTS PRIOR TO CREATING ADDITIONAL CEMENTITIOUS WASHWATER. 6. MATERIAL STORAGE 6.1. VERIFY MATERIAL STORAGE AREAS ARE PROTECTED FROM RAINFALL 6.2. VERIFY FLUID IS NOT LEAKING FROM THE AREA .3. OFFSITE STORAGE AREAS ARE TO BE CONSIDERED PART OF THE PROJECT GFSITE STORAGE AREAS ARE TO BE CONSIDERED PART OF THE PROJECT
 STABILIZATION
 VERIFY THAT SEEDED AREAS EXHIBIT HEALTHY PLANT ESTABLISHMENT
 THE SITE HAS ACHIEVED FINAL STABLIZATION ONCE ALL AREAS ARE EITHER COVERED BY PAVEMENT OR HAVE REACHED 70°.
 of THE VEGETATION DENSITY, THIS VEGETATION DENSITY MUST BE MAINTAINED IN ORDER TO REMAIN CATEGORIZED AS FINAL STABILIZATION, MEASURES MUST BE TAKEN TO REACH THIS LEVEL IF STANDARD PROCEDURES DO NOT YIELD ADEQUATE PLANT ESTABLISHMENT. ROSION AND SEDIMENT CONTROL INSPECTIONS - THE FOLLOWING IS A LIST OF INSPECTION / MAINTENANCE PRACTICES THAT HOULD BE CONDUCTED FOR EACH CONTROL MEASURE: GEOTEXTILES/EROSION CONTROL MATS - MISSING / LOOSE MATS SHALL BE REPLACED AND REINSTALLED PER MANUFACTURER'S RECOMMENDATION. RECOMMENDATION.

11. INLET PROTECTION - INLET PROTECTION MEASURES SHALL BE ROUTINELY INSPECTED AND ACCUMULATED SEDIMENT SHALL BE REMOVED TO ENSURE PROPER OPERATION.

2) DIMERSION SWALES - REMOVE ACCUMULATED SERBIS THAT REDUCES THE HYDRAULIC CAPACITY OF THE SWALE.

3) MULCHING - APPLY ADDITIONAL MULCH TO SPARSE OR BARE SPOTS.

4) SEDIMENT TAPP - REMOVE ACCUMULATED SEDIMENT TO ENSURE PROPER OPERATION.

5) SEDIMENT BASIN - REMOVE ACCUMULATED SEDIMENT TO ENSURE PROPER OPERATION. 9.6. SILT FENCE - REMOVE ACCUMULATED SEDIMENT THAT POSES A THREAT TO THE STABILITY OF THE FENCE (§ HEIGHT OF FENCE). 9.8. VEGETATION - ENSURE NEWLY SEEDED AREAS ARE PROTECTED FROM EROSION, GOOD HOUSEKEEPING - VERIFY THAT LITTER, MISCELLANDUS CONSTRUCTION DEBRIS, CONSTRUCTION RELATED
CHEMICALS, AND OTHER POTENTIALLY HARMFUL MATERIALS ARE PROPERLY STORED, COVERED, AND/OR DO NOT HAVE THE
POTENTIAL TO ENTER THE STORM SEVERE 755TEM.
 IF SCHIMENT ESCAPES THE CONSTRUCTION SITE, DOWNSTREAM SEDIMENT MUST BE REMOVED IMMEDIATELY TO REDUCE THE RISK
OF ADVERSE IMPACTS. TITISHEO PERATOR'S SOLE RESPONSIBLET YO DESIZE THE EROSION AND SEDIMENT CONTROL MEASURES ONSITE ARE SUPFICIENT TO MEET THE REQUIREMENTS OF THE EAR POSE STORM WATER DISCHARGE PERMIT, IF ADDITIONAL MEASURES ARE REQUIRED, THE CONTRACTOR IS RESPONSIBLE FOR MPELEWING SUCH MEASURES.

ALL PERMITTEES MUST SUBMIT A NOT WITHIN 30 DAYS AFTER ONE OR MORE OF THE FOLLOWING CONDITIONS HAVE BEEN MET: 14.1. FINAL STABILIZATION HAS BEEN ACHIEVED ONSITE

14.2. ANOTHER OPERATOR / PERMITTEE HAS ASSUMED CONTROL OVER THE AREAS OF THE SITE THAT HAVE YET TO ACHIEVE FINAL STABILIZATION

14.3. 13.3. IN RESIDENTIAL CONSTRUCTION OPERATIONS, TEMPORARY STABILIZATION HAS BEEN COMPLETED AND THE RESIDENCE HAS BEEN TRANSFERRED TO THE HOMEOWNER.

B12 SEQUENCE DESCRIBING STORMWATER QUALITY MEASURE IMPLEMENTATION RELATIVE TO LAND DISTURBING ACTIVITIES

1. FILE THE CONSTRUCTION STORMWATER GENERAL PERMIT (CSGP) WITH IDEM AT LEAST 48 HOURS PRIOR TO STARTING

INSTALL SILT FENCE AND INLET PROTECTION AT INLETS

DESIGNATE A PERSON TO BE RESPONSIBLE FOR SITE INSPECTIONS AFTER EACH RAINFALL AND A MINIMUM OF 1 TIME PER WEEK. INSTALL STAGING AREA, FUELING STATION, MATERIAL STORAGE AREA, CONCRETE WASHOUT, AND PORT-O-LET

REMOVE PAVEMENT AND OTHER ITEMS SHOWN TO BE DEMOLISHED ROUGH GRADE THE PROJECT SITE, SEED DISTURBED AREAS IMMEDIATELY FOLLOWING ROUGH GRADING, AREAS THAT WILL NOT BE DISTURBED AGAIN SHOULD BE PERMANENTLY SEEDED, NO UN-VEGETATED AREAS SHALL BE LEFT EXPOSED FOR MORE THAN A DAYS, TEMPORAY OR PERMANENT STABLIZATION METHODS MUST BE INITIATED BY END OF THE SEVENTH DAY THAT AN AREA HA

BEEN IDLE AND COMPLETED WITHIN 14 DAYS. 10. BEGIN SITE CONSTRUCTION. I. INSTALL UNDERGROUND UTILITIES, EROSION CONTROL MEASURES SHALL BE INSTALLED AT NEW DRAIN INLET LOCATIONS IMMEDIATELY UPON INSTALLATION,

12. FINAL GRADE THE SITE.

13. PAVING OPERATIONS, EROSION CONTROL MEASURES SHALL BE LEFT IN-PLACE UNTIL THE SITE VEGETATION HAS ESTABLISHED.

REMOVE ALL TEMPORARY EDGSION CONTROL MEASURES AT THE CONCLUSION OF THE PROJECT AS DIRECTED BY THE COUNTY AND
THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT.
 LEAVE FERMANENT EROSION CONTROL MEASURES IN PLACE.

NOTE: THE SEQUENCE OF CONSTRUCTION SHOWN ABOVE IS A GENERAL OVERVIEW AND IS INTENDED TO CONVEY THE GENERAL CONCEPTS OF THE EROSION CONTROL DESIGN AND SHOULD NOT BE RELIED UPON FOR CONSTRUCTION PURPOSES. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETAILED PHASING AND CONSTRUCTION SEQUENCING RECESSARY TO CONSTRUCT THE PROPOSED IMPROVEMENTS INCLUDED IN THESE PLANS. THE CONTRACTOR SHALL NOTICY EXGINEER IN WRITING IMMEDIATELY, PRIOR TO AND/OR DURING CONSTRUCTION IF ANY ADDITIONAL INFORMATION ON THE CONSTRUCTION SEQUENCE IS NECESSARY. CONTRACTOR IS SOLELY RESPONSIBLE FOR COMPLYING WITH THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION AND ALL OTHER APPLICABLE LAWS.

B13 EROSION & SEDIMENT CONTROL SPECIFICATIONS FOR INDIVIDUAL BUILDING LOTS

THE ENTIRE PROJECT SITE IS UNDER THE SAME OWNER, THERE ARE NOT ANY INDIVIDUAL BUILDING LOTS.

B14 MATERIAL HANDLING AND SPILL PREVENTION PLAN

NACKING.
CONSTRUCTION TRAFFIC MUST ENTER AND EXIT THE SITE AT THE STABILIZED CONSTRUCTION ENTRANCE. A WHEEL WASH
SHALL BE USED BY THE CONTRACTOR IF REQUESTED BY THE MUNICIPALITY, PRIGHT TO LEAVING THE SITE. THE PURPOSE IS
TO TRAP DUST AND MUD THAT WOULD OTHERWISE BE CARRIED OFF-SITE BY CONSTRUCTION TRAFFIC, ALL DIRT TRACKED
ONTO PUBLIC AND PRIVATE STREETS SHALL BE CLEARED BY THE END OF DAY AT A MINIMUM.

2.1. WATER TRUCKS WILL BE USED AS NEEDED DURING CONSTRUCTION TO REDUCE DUST GENERATED ON THE SITE, DUS CONTROL MUST BE PROVIDED BY THE GENERAL CONTRACTOR TO A DEGREE THAT IS IN COMPLIANCE WITH APPLICAL LOCAL AND STATE DUST CONTROL REGULATIONS. AFTER CONSTRUCTION, THE SITE WILL BE STABILIZED (AS DESCRIESTEVHERE), WHICH WILL REDUCE THE POTENTIAL FOR DUST GENERATION.

3.1. NON-STORMWATER COMPONENTS OF SITE DISCHARGE MUST BE CLEAN WATER. WATER USED FOR CONSTRUCTION, WHICH DISCHARGES FROM THE SITE MUST ORIGINATE FROM A PUBLIC WATER SUPPLY OR PRIVATE WELL APPROVED BY THE STATE HEALTH DE 4. CONCRETE WASTE FROM CONCRETE READY-MIX TRUCKS

CONCRETE WASTE FROM CONCRETE READY-MIX TRUCKS

AL. DISCHARGE OF EXCESS OR WASTE CONCRETE AND/OR WASH WATER FROM CONCRETE TRUCKS WILL BE ALLOWED ON THE
CONSTRUCTION SITE, BUT ONLY IN SPECIFICALLY DESIGNATED DIKED AREAS THAT HAVE BEEN PREPARED TO PRICE
CONTACT BETWEEN THE CONCRETE AND/OR WASH WATER AND STORMWATER THAT WILL BE DISCHARGED FROM THE SITE
OR IN LOCATIONS WHERE WASTE CONCRETE CAN BE PLACED INTO FORMS TO MAKE RIPPAP OR OTHER USEFUL CONCRETE
PRODUCTS. THE CURED ESTEDUE FROM THE CONCRETE WASHOUT DIVED AREAS SHALL BE DISPOSED IN ACCORDANCE WITH
APPLICABLE STATE AND FEDERAL REGULATIONS. THE JOBSITE SUPERINTENDENT IS RESPONSIBLE FOR ASSURING THAT
THESE PROCEDURES ARE POLLOWED.

FUEL FANKS

5.1. TEMPORARY ON-SITE FUEL TANKS FOR CONSTRUCTION VEHICLES SHALL MEET ALL STATE AND FEDERAL REGULATIONS.
TANKS SHALL HAVE APPROVED SPILL CONTAINMENT WITH THE CAPACITY REQUIRED BY THE APPLICABLE REGULATIONS. THE
TANK SHALL BE IN SOUND CONDITION FREE OF RUST OR OTHER DAMAGE WHICH MIGHT COMPROMISE CONTAINMENT.
HORSE, WALES, FITHINGS, CAPS, FILLER NOZZLES, AND ASSOCIATED HARDWARE SHALL BE MAINTAINED IN PROPER
WORKING CONDITION AT ALL TIMES.

6.1. CLEANING MASONRY TOOLS AND EQUIPMENT GENERATE A VARIETY OF WASTES, EXCESS CEMENT AND RINSE WATER ARI TWO EXAMPLES, SWEEP STREETS, GUTTERS, ALLEYS, AND SIDEWALKS RATHER THAN HOSING, REUSE AND RECYCLE

MATERIALS IF POSSIBLE AND COLLECT AND PROPERLY DISPOSE OF WASTE

8. DUMPSTERS (LIDS AND LEAKS)

WHEN WATER ENTERS THE DUMPSTER, IT CAN PICK UP POLLUTANTS FROM THE WASTE AND LEAK OUT AND EVENTUALL
ENTER THE STORM SEWER SYSTEM. TO PREVENT THIS, DUMPSTER LIDS MUST REMAIN CLOSED AT ALL TIMES AND
DUMPSTERS MUST BE INSPECTED FOR LEAKS, NEVER HACK ENAZADOUS WASTES IN A DUMPSTER OR ITEMS BIN, DO NO
HOSE OUT THE DUMPSTER INTERIOR OR LOADING DOCKS, APPLY ASSORBENT OVER ANY FLUIDS SPILLED IN THE DUMPS
CHECKLOADING AND UNLOADING EQUIPMENT REQUIRENT FOR LEAKS. VEHICLE AND EQUIPMENT LEAKS

9.1. VEHICLES AND CONSTRUCTION EQUIPMENT CONTAIN VARIOUS LIQUID POLLUTANTS THAT MAY LEAK AND ENTER THE ST SEWER SYSTEM. TO PREVENT THIS, LOOK FOR AND REPORT LEAKS ON VEHICLES WHEN ADDING FUEL. USE SECONDARY CONTAINMENT WHEN TRANSPERRIGG FUEL FORM THE TANK TEXT. TO THE FUEL THANK, COVER STORM DRAWIS IN THE VICKINT POURING THE TRANSFER, CLEAN UP SMALL SPILLS WITH ABSORBENT MATERIALS RATHER THAN HOSING DOWN T AREA, REMOVE THE ASSORBENT MATERIALS FROMPLY AND DISPOSE OF IN TRASH.

QUIPMENT MAINT LENANCE.

1.1. EQUIPMENT REQUIRES MAINTENANCE METHODS THAT CAN PRODUCE POLLUTANTS THAT WILL ENTER THE STORM SEWE SYSTEM IF NOT PROPERLY CLEANED, KEEP ACCURATE MAINTENANCE LOSS AND UP TO DATE INNENTORY OF MATERIALS, PERFORM MAINTENANCE IN OVEREO, DESIGNED SERVICE BAYS WHERE SPILLS AND LEAKS CAN BE PROPERTY CONTAINED. RECYCLE SPENT FLUIDS — DO NOT DUMP DOWN THE DRAIN OR IN THE TRASH. AVIOL HOSING DOWN WORK AREA — USE RAGS FOR SMALD SPILLS, A DAMP MOP FOR GENERAL LICEAULY, AND DY ASSORBENT FOR LARGES FIGURE.

11. CHEMICALS USED IN CONSTRUCTION
11. THE CONSTRUCTION ROCESS REQUIRES THE USE OF MANY CHEMICALS INCLUDING PAINT, SOLVENTS, AND INT ASSCRIBENT FOR IT.
11. THE CONSTRUCTION PROCESS REQUIRES THE USE OF MANY CHEMICALS INCLUDING PAINT, SOLVENTS, AND IS IMPORTANT TO HANDLE THESE CHEMICALS APPROPRIATELY TO PREVENT CONTAMINATION OF THE STOR SYSTEM, HT OIL AND CHEMICAL STORAGE CONTAINERS WITH SECONDARY CONTAINMENT STRUCTURES TO SPILLED MATERIALS. IT IS PREFERRALE TO STORE MATERIALS INDOORS BUT IF THERE IS ONLY, AN OUTLOOD AVAILABLE, KEEP MATERIALS, COVERED TO PREVENT RAIN FROM CONTACTING THE MATERIAL COVER AND/STOCKPILLS OF RAW MATERIALS (LESS ALT, SOLL) TO PREVENT POLLITIES STORMMATER AUGUST.

12.1. IF A SPILL DCCURS, NOTIFY THE KEY SPILL RESPONSE PERSONNEL. IF THE MATERIAL IS HAZARDOUS, CONTACT THE LOCAL FIRE DEPARTMENT, NEVER WASH A SPILL INTO THE STORM DRAIN OR LEAVE IT WITHOUT CLEANING IT UP. CONTAIN SPILL AND BLOCK THE NEARBY STORM DRAIN, CLEAN UP NON-HAZARDOUS SPILLS BY USING A RAG, DAMP CLOTH, OR ABSORBE MATERIALS.

12.2. IN CASE OF HAZARDOUS MATERIAL SPILLS, CONTACT THE CORRESPONDING AGENCY. THE INDIANA DEPARTMENT OF ENVIRONMENTAL SPILL RESPONSE LINE CAN BE CONTACTED 24 HOURS-A-DAY, 7 DAYS-A-WEEK AT (317) 233-7745, OR CAL

B15 MATERIAL HANDLING AND STORAGE PROCEDURES

CONTRACTOR TO STORE MATERIALS APPROPRIATELY TO PREVENT CONTAMINATION OF STORMWATER RUNOFF, FIT OIL AND CHEMIS STORAGE CONTAINERS WITH SECONDARY CONTAINMEN'S STRUCTURES TO CONTAIN SPILLED MATERIALS. IT IS PREFERRABLE TO STO MATERIALS, INCORPOSE SOUT FITHERS IS ONLY AN OUTDOOR STORAGE AFEA AVAILABLE, KEEP MATERIALS COVERED TO PREVENT MATERIALS. INC. SALT, SOIL TO PREVENT FOLLUM STORMMATER RUNOFF, MATERIAL HANDLING AND STORAGE LOCATIONS ARE PROVIDED ON CA'S SERIES SERIESON CONTROL PLANT.

SWPPP - POST CONSTRUCTION - SECTION C

C1 DESCRIPTION OF POLLUTANTS AND THEIR SOURCES ASSOCIATED WITH THE PROPOSED LAND USE

POTENTIAL POLLUTANTS GENERATED DUE TO THIS PROJECT INCLUDE:

AUTOMOBILE FLUIDS FROM VEHICLES.

C2 DESCRIPTION OF PROPOSED POST-CONSTRUCTION STORMWATER QUALITY MEASURES

THERE ARE NO PROPOSED STORMWATER QUALITY MEASURES FOR THIS PROJECT. THIS PROJECT WILL UTILIZE EXISTING STORM

C3 LOCATION, DIMENSIONS, SPECIFICATIONS, AND CONSTRUCTION DETAILS OF EACH STORMWATER QUALITY MEASURE

THERE ARE NO PROPOSED STORMWATER QUALITY MEASURES FOR THIS PROJECT, THIS PROJECT WILL UTILIZE IS QUALITY MEASURES FOR TREATMENT PROCESSES.

C4 SEQUENCE DESCRIBING STORMWATER QUALITY MEASURE IMPLEMENTATION

THERE ARE NO PROPOSED STORMWATER QUALITY MEASURES FOR THIS PROJECT, THIS PROJECT WILL UTILIZE EXISTING S QUALITY MEASURES FOR TREATMENT PROCESSES,

C5 DESCRIPTION OF MAINTENANCE GUIDELINES FOR POST-CONSTRUCTION STORMWATER QUALITY MEASURES

THERE ARE NO PROPOSED STORMWATER QUALITY MEASURES FOR THIS PROJECT. THIS PROJECT WILL UTILIZE EXISTING STOI QUALITY MEASURES FOR TREATMENT PROCESSES.

C6 ENTITY RESPONSIBLE FOR OPERATIONS AND MAINTENANCE OF POST CONSTRUCTION STORMWATER MEASURES

CVS PHARMACY, INC.

14575 MUNDY DR. NOBLESVILLE. IN 46060

REPRESENTATIVE: RICHARD SMART TELEPHONE: TBD

SEAL:

pharmac

STORE NUMBER

14575 MUNDY DRIVE

ENGINEER:

CONSULTANT:

KIMLEY-HORN

SUITE 300

DEVELOPER

AND ASSOCIATES, INC.

INDIANAPOLIS, IN 46240

TEL: (317) 218-9560 CONTACT: ANDY TAYLOR

500 E. 96TH ST.,

EXISTING STOE SITE

MODIFICATIONS

NOBLESVILLE, IN (HAMILTON COUNTY)

Kimley » Horn

PROJECT TYPE: SITE MODIFICATIONS

DEAL TYPE FEE FOR SERVICE

CS PROJECT NUMBER:

8904

REVISIONS:		

DRAWING BY DATE: 07/28/2023 JOB NUMBER 170425000 TITLE:

SWPPP

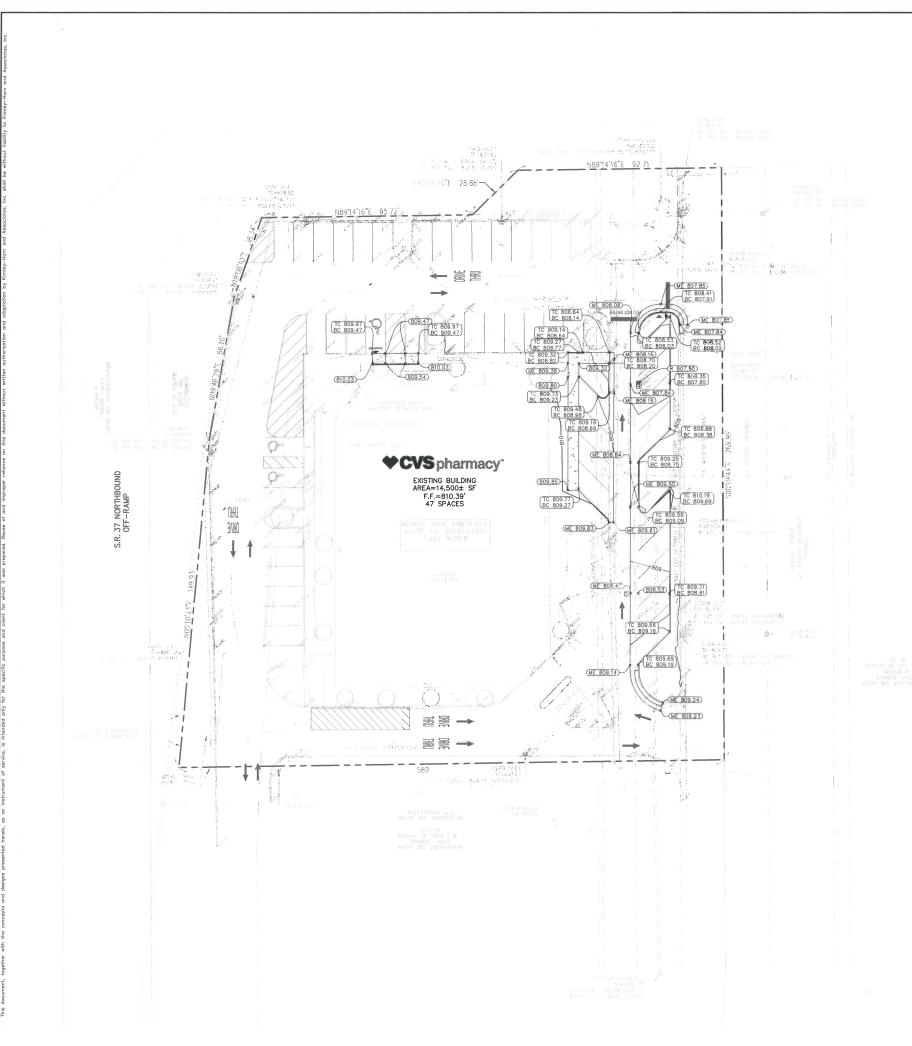
SHEET NUMBER

C4.2

COMMENTS

GENERAL PROJECT INFORMATION

SITE NAME





GRADING LEGEND

× (XXX.XX) X (FL. XXXLXXX) ME XXX.XX x (FF XXX.XX) X (FG XXX.XXX) x (TW XXX.XX) X (BW XXX.XXX) R XXX.XXX

STR XX
R XXX.XXX

STR XX
INV XXX.XX RIDGE X,XX% 4

FINISHED GRADE SPOT ELEVATION

TOP OF CURB / BOTTOM OF CURB SPOT ELEVATION FLOW LINE SPOT ELEVATION MATCH EXISTING SPOT ELEVATION FINISHED FLOOR SPOT ELEVATION

FINISHED GRADE NEAR BUILDING SPOT ELEVATION TOP OF WALL SPOT ELEVATION BOTTOM OF WALL SPOT ELEVATION RIM ELEVATION

STRUCTURE ID & RIM ELEVATION STRUCTURE ID & INVERT ELEVATION

PROPOSED CONTOUR RIDGE LINE

SLOPE AND FLOW DIRECTION 100-YEAR OVERLAND OVERFLOW ROUTE

PROPOSED SWALE PROPOSED STORM SEWER PROPOSED STORM STRUCTURES

PROPOSED STORM/SANITARY CLEANOUT PROPOSED WATER STRUCTURES

PROPOSED TRANSFORMER PAD

EXISTING LEGEND

& ACCESSIBLE SPACE

© COMMUNICATIONS PEDESTAL

© COMMUNICATIONS PEDESTAL

© SANITARY SEWER MANHOLE & ACCESSIBLE SPACE CURB INLET

ELECTRIC JUNCTION BOX

 STORM MANHOLE ☐ STREET LIGHT

■ WATER VALVE TREE

© GATE POST

MAG NAIL FOUND

BUILDING SETBACK LINE SANITARY SEWER STORM SEWER

UNDERGROUND ELECTRIC UNDERGROUND FIBER OPTIC CABL UNDERGROUND WATER

CONTROL POINT 604 IS A MAG SPIKE SET IN GRASS AT THE NORTHEAST SECTION OF THE PROPERTY APPROXIMATELY 34^\prime WEST OF MUNDY DRIVE.

ELEV = 808.81' (NAVD 88)

CONTROL POINT 607 IS A MAG NAIL FOUND IN THE ASPHALT OF THE NORTHWEST CORNER OF THE PROPERTY, IT SITS APPROXIMATELY 200' WEST OF MUNDLY DRIVE AND 59' FROM THE NORTHWEST CORNER OF THE BUILDING.

ELEV = 809.36 (NAVD88)

pharmac EXISTING STOE SITE MODIFICATIONS

STORE NUMBER:

14575 MUNDY DRIVE NOBLESVILLE, IN (HAMILTON COUNTY) PROJECT TYPE: SITE MODIFICATIONS

DEAL TYPE: FEE FOR SERVICE CS PROJECT NUMBER:

ENGINEER:

Kimley » Horn

CONSULTANT:

KIMLEY-HORN AND ASSOCIATES, INC. 500 E. 96TH ST., SUITE 300 INDIANAPOLIS, IN 46240 TEL: (317) 218-9560 CONTACT: ANDY TAYLOR

DEVELOPER:



REVISIONS:

3	Ε	Ν	IC	Н	N	1A	R	KS
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CONTROL POINT 605 IS A MAG NAIL SET IN THE ASPHALT. IT SITS IN THE NORTHWEST CORNER OF THE PROPERTY APPROXIMATELY 4' EAST OF THE CURB AND 200' WEST OF MUNDY DRIVE AND 72' FROM THE NORTHWEST CORNER OF THE BUILDING.

CONTROL POINT 606 IS A MAG SPIKE SET IN THE GRASS IN THE SOUTHWEST CORNER OF THE PROPERTY.

ELEV = 809.24' (NAVD 88)

DATE: JOB NUMBER: TITLE:

DRAWING BY

GRADING AND DRAINAGE PLAN

RCB

07/28/2023

170425000

SHEET NUMBER:

C5.0

COMMENTS:

GENERAL PLAN NOTES

REFER TO GENERAL NOTES SHEET FOR MORE INFORMATION INCLUDING THE FOLLOWING: (EXISTING LEGEND, BENCHMARK INFORMATION, AND SPECIFIC GENERAL PLAN NOTES.)



WIDTH VARIES - SEE PLAN P.C. CONCRETE PAVEMENT

- 1 ALL SDEWALE SHALL BE CONSTRUCTED WITH CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH OF 4,500 PGI AT 16 DAYS: 2 PROVIDE 172 ESPANSION JUNIO: AT 20, MAXIMUM, SPACING AND FILLED WITH PREMOLDED BITMORPHIS ESPANSION JUNIO: AT 12 PROMOCO, ESPANSION JOINTS SHALL HAVE # A DOWLEY, LUBRICATED, 12 CONG, AT 12, CENTRES, 67 FROM EDUE

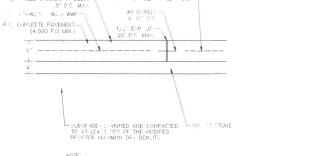
 PROVIDE 1/3 GRESVED CONTROL LUBRICATED, 18 LENG, AT LL'CENTERS, 6" FROM PROVIDE 1/3" GRESVED CONTROL JOINTS AT 5" CENTERS.

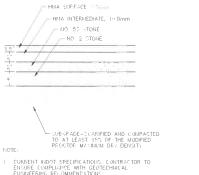
 PROVIDE 1/2" BITMINHOUS EXPANDION JOINT FILLER MATERIAL WHERE WALL ABUTS EXISTING IMPROVEMENTS AND AT ALL CHANGES IN GRADE.

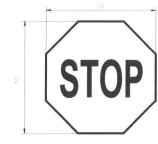
 LE = 4" REINFORMENT SARE, 10" LEGG CORE ALL UTILITY TRENCHES. FOR NEW LIDEWALL AND CONTRECTIONS TO EXISTING SIDEWALK.

 AT DRIVE APPROACHES, IDEWALK PCC AND EASE THICH NESS SHALL MATCH THAT OF THE DRIVE.

- CONCRETE SIDEWALK







30" > 30" R1-1

STOP SIGN N.T.S.

CS PROJECT NUMBER:

ENGINEER:

|Kimley »Horn

pharmac **EXISTING STOE SITE** MODIFICATIONS

NOBLESVILLE, IN (HAMILTON COUNTY) PROJECT TYPE: SITE MODIFICATIONS

DEAL TYPE: FEE FOR SERVICE

STORE NUMBER 14575 MUNDY DRIVE

CONSULTANT:

KIMLEY-HORN AND ASSOCIATES, INC. 500 E. 96TH ST., INDIANAPOLIS, IN 46240 TEL: (317) 218-9560 CONTACT: ANDY TAYLOR

DEVELOPER:

SEAL:

REVISIONS:

DRAWING BY:

DATE: 07/28/2023 JOB NUMBER: 170425000

RCB

TITLE:

CONSTRUCTION **DETAILS**

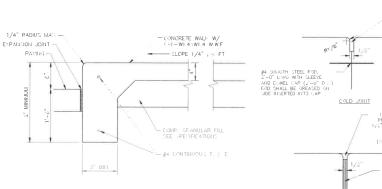
SHEET NUMBER:

C6.0

COMMENTS:

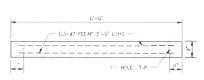
HEAVY DUTY CONCRETE PAVEMENT SECTION

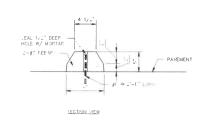
STANDARD DUTY ASPHALT PAVEMENT SECTION



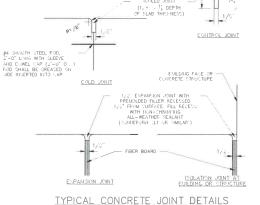


ACCESSIBLE PARKING SYMBOL





CONCRETE PARKING BUMPER



TYPICAL CONCRETE JOINT DETAILS

= 4" BLUE STRIPE. of 2'=0" O.C.

MOTE: REFER TO PLAN FOR DETAILED LAYOUT AND DIMENSIONS

ACCESSIBLE PAVEMENT MARKINGS

4" PAINTED -BLUE STRIPING

ACCE : SIBLE - VAN SIGN

(UPB -



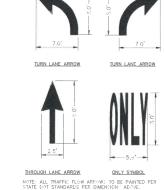
"VAN ACCESSIBLE" TO BE PROVIDED WHERI PARKING SPACE AND ADJACENT ACCESS AISLE IS 16" MINIMUM TOTAL WIDTH NOTES.
IL ALL LETTERS ARE 1" AERIES "C" PER MUTCO. SIGN SHALL HAVE A REFLECTORIZED (ENGINEERING GRADE) WHITE BACK GROUND WITH GREEN REFLECTORIZED LEGEND AND BORDER FINE MOTIFICATION SIGN SHALL HAVE A REFLECTORIZED (EMGINEERING GRADE) WITH GREEN LEGEND AND BORDER

ACCESSIBLE PARKING SIGNAGE

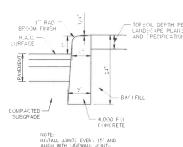
- WHITE SYMBOL ON BLUE BACK GOUND LEGEND & BORDER: GREEN - PACKGROUND: WHITE

4 CONTRACTOR SHALL VERIFY FINE AMOUNT,

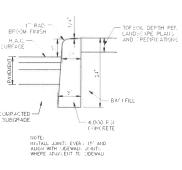
5 ONE(1) SIGN REQUIRED FOR EACH PARKING SPACE

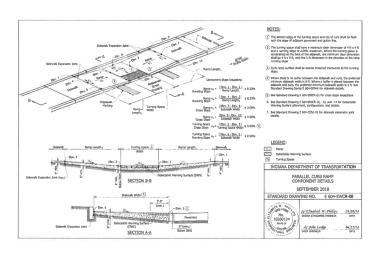


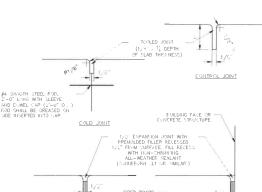
TRAFFIC FLOW MARKINGS

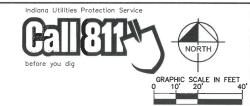


CONCRETE CURB











STORE NUMBER:

14575 MUNDY DRIVE
NOBLESVILLE, IN (HAMILTON COUNTY)
PROJECT TYPE SITE MODIFICATIONS
DEAL TYPE FEE FOR SERVICE

CS PROJECT NUMBER:

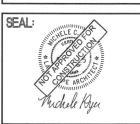
ENGINEER:

Kimley » Horn

CONSULTANT:

KIMLEY—HORN AND ASSOCIATES, INC. 500 E. 96TH ST., SUITE 300 INDIANAPOLIS, IN 46240 TEL: (317) 218—9560 CONTACT: ANDY TAYLOR

DEVELOPER:



REVISI	ONS:
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DRAWING BY:

DATE: 07/28/2023 JOB NUMBER: 170425000

TITLE:

LANDSCAPE PLAN

SHEET NUMBER:

L1.0

COMMENTS:

♥CVS pharmacy* EXISTING BUILDING AREA=14,500± SF F.F.=810.39' 47 SPACES 25 H ----

S.R. 37 NORTHBOUND OFF-RAMP

LANDSCAPE NOTES

- THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING MATERIALS AND PLANTS SHOWN ON THE LANDSCAPE PLAN. THE CONTRACTOR IS RESPONSIBLE FOR THE COST TO REPAIR UTILITIES, ADJACENT LANDSCAPE, PUBLIC AND PRIVATE PROPERTY THAT IS DAMAGED BY THE CONTRACTOR OR THEIR SUBCONTRACTOR'S OPERATIONS DURING INSTALLATION OR DURING THE SPECIFIED MAINTENANCE PERIOD. CALL FOR UTILITY LOCATIONS PRIOR TO ANY EXCAVATION AND PLANTING.
- 2. THE CONTRACTOR SHALL REPORT ANY DISCREPANCY IN PLAN VS. FIELD CONDITIONS IMMEDIATELY TO THE LANDSCAPE ARCHITECT, PRIOR TO CONTINUING WITH THAT PORTION OF WORK.
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF ANY OF THEIR TRENCHES OR EXCAVATIONS THAT
- 4. ALL NURSERY STOCK SHALL BE WELL BRANCHED, HEALTHY, FULL, PRE-INOCULATED AND FERTILIZED, DECIDUOUS TREES SHALL BE FREE OF FRESH SCARS. TRUNKS WILL BE WRAPPED IF NECESSARY TO PREVENT SUN SCALD AND INSECT DAMAGE. THE LANDSCAPE CONTRACTOR SHALL REMOVE THE WRAP AT THE PROPER TIME AS A PART OF THIS
- ALL NURSERY STOCK SHALL BE GUARANTEED, BY THE CONTRACTOR, FOR ONE YEAR FROM DATE OF FINAL INSPECTION.
- PLANTING AREA SOIL SHALL BE TOPSOIL FOR ALL TREE, SHRUB, ORNAMENTAL GRASS, PERENNIAL, AND ANNUAL BEDS. AMENDED SOIL SHALL BE PROVIDED AND GRADED BY THE GENERAL CONTRACTOR UP TO A 6" DEPTH BELOW FINISHED GRADE IN TURF AREAS AND A 12" DEPTH IN PLANTING AREAS.
- 7. PLANTING AREA TOPSOIL SHALL BE AMENDED WITH 25% SPHAGNUM PEATMOSS, 5% HUMUS AND 65% PULVERIZED SOIL. AMENDED TURE AREA SOIL SHALL BE STANDARD TOPSOIL. TOPSOIL SHALL CONFORM TO TECHNICAL SPECIFICATIONS FREE OF HEAVY CLAY, ROCKS, AND DIRT CLODS OVER 1 INCH IN DIAMETER, AS WELL AS CONTAIN
- 8. SEED/SOD LIMIT LINES ARE APPROXIMATE. CONTRACTOR SHALL SEED/SOD ALL AREAS WHICH ARE DISTURBED BY GRADING WITH THE SPECIFIED SEED/SOD MIXES.

- 9. CONTRACTOR SHALL STAKE INDIVIDUAL TREE AND SHRUB LOCATIONS AND OUTLINE HERBACEOUS PLANTING AREAS SHALL ADJUST LOCATIONS WHEN REQUESTED, AND SHALL OBTAIN PROJECT LANDSCAPE ARCHITECT'S ACCEPTANCE PRIOR TO PLANTING.
- 10. ALL PLANT ID TAGS SHALL BE REMOVED AFTER INSTALLATION.
- 11. CONTRACTOR SHALL INSTALL SHREDDED HARDWOOD MULCH AT A 3" DEPTH TO ALL TREES, SHRUB, PERENNIAL, AND GROUNDCOVER AREAS, TREES PLACED IN AREA COVERED BY TURF SHALL RECEIVE A 4 FT WIDE MAXIMUM TREE RING WITH 3" DEPTH SHREDDED HARDWOOD MULCH. A SPADED BED EDGE SHALL SEPARATE MULCH BEDS FROM TURF OR SEEDED AREAS. A SPADED EDGE IS NOT REQUIRED ALONG CURBED EDGES.
- 12. WEED FABRIC SHALL BE REQUIRED UNDER MULCH.
- 13. MULCH SHALL NOT BE HELD IN PLACE BY PLASTIC NET, OR SPRAYING OF ANY BINDER MATERIAL OR ASPHALT
- 14. DO NOT DISTURB THE EXISTING PAVING, LIGHTING, OR LANDSCAPING THAT EXISTS ADJACENT TO THE SITE UNLESS OTHERWISE NOTED ON PLAN.
- 15. PLANT QUANTITIES SHOWN ARE FOR THE CONVENIENCE OF THE OWNER AND JURISDICTIONAL REVIEW AGENCIES. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL PLANT QUANTITIES AS DRAWN.
- 16. THE OWNER'S REPRESENTATIVE MAY REJECT ANY PLANT MATERIALS THAT ARE DISEASED, DEFORMED, OR THERWISE NOT EXHIBITING SUPERIOR QUALITY
- 17. WEEDING, LANDSCAPE MAINTENANCE, AND WATERING TO BE THE CONTRACTOR'S RESPONSIBILITY DURING CONSTRUCTION. ALL PLANT MATERIALS REQUIRED BY THIS SECTION SHALL BE MAINTAINED AS LIVING VEGETATION AND SHALL BE PROMPTLY REPLACED BY LANDSCAPE CONTRACTOR DURING WARRANTY PERIOD IF THE PLANT MATERIAL HAS DIED PRIOR TO FINAL ACCEPTANCE. PLANTING AREAS SHALL BE KEPT FREE OF TRASH, LITTER, AND
- 18. THE CONTINUED MAINTENANCE OF ALL REQUIRED LANDSCAPING AFTER WARRANTY PERIOD EXPIRES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY ON WHICH SAID MATERIALS ARE REQUIRED.

	ORDINANCE CHART						
ZONING: PB/PD							
REQUIREMENT	REQUIRED	PROVIDED					
PARKING LOT INTERIOR (ARTICLE 12)							
 ALL ISLANDS AND PENINSULAS SHALL CONTAIN A MINIMUM 1 CANOPY TREE AND 5 SHRUBS. 	• 5 ISLANDS = 5 CANOPY TREES AND 25 SHRUBS	• 5 CANOPY TREES • 25 SHRUBS					
LANDSCAPE SCREENING (ARTICLE 12)		•					
ALL TRASH RECEPTACLES SHALL BE SCREENED		SCREENING PROVIDED					

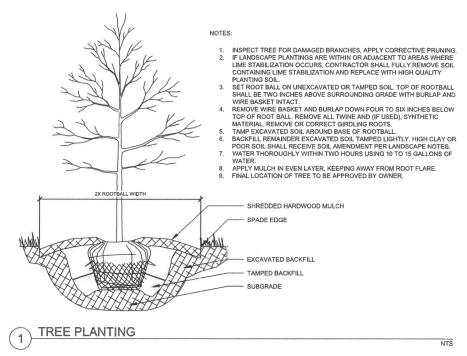
SEEDING LEGEND PERMANENT SEEDING AMERITURE FRONTRUNNER BLEND TALL FESCUE; APPLY AT A RATE OF 350 LBS/ACRE (8LBS/1000 SQFT)

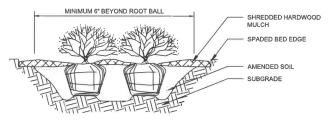


PLANT SCHEDULE

CANOPY TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	HT
AA	2	ACER RUBRUM 'ARMSTRONG'	ARMSTRONG RED MAPLE	B & B	2.5" CAL MIN	
GI	3	GLEDITSIA TRIACANTHOS INERMIS 'IMPCOLE'	IMPERIAL® HONEY LOCUST	B & B	2.5" CAL MIN	_
DECIDUOUS SHRUBS HA	QTY 7	BOTANICAL NAME HYDRANGEA PANICULATA 'BOBO'	COMMON NAME BOBO HYDRANGEA	CONT	SPACING 48" OC	<u>SIZE</u> 24" HT MIN
PN	4	PHYSOCARPUS OPULIFOLIUS 'DONNY MAY'	LITTLE DEVIL NINEBARK		48" OC	24" HT MIN
EVERGREEN SHRUBS IG	QTY 14	BOTANICAL NAME ILEX GLABRA 'DENSA'	COMMON NAME INKBERRY HOLLY	CONT	SPACING 48" OC	SIZE 24" HT MIN
GRASSES PV	QTY 20	BOTANICAL NAME PANICUM VIRGATUM 'SHENANDOAH'	COMMON NAME SHENANDOAH SWITCH GRASS	CONT	SPACING 30" OC	SIZE 24" HT MIN







NOTES:

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

	SHRUB PLANTING	
2)	CHILOD I FULLING	
- Z 1		



STORE NUMBER:

14575 MUNDY DRIVE NOBLESVILLE, IN (HAMILTON COUNTY) PROJECT TYPE: SITE MODIFICATIONS **DEAL TYPE** FEE FOR SERVICE

8904

CS PROJECT NUMBER:

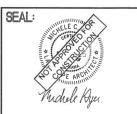
ENGINEER:



CONSULTANT:

KIMLEY—HORN AND ASSOCIATES, INC. 500 E. 96TH ST., SUITE 300 INDIANAPOLIS, IN 46240 TEL: (317) 218-9560 CONTACT: ANDY TAYLOR

DEVELOPER:



RC
07/28/202
17042500

LANDSCAPE DETAILS

SHEET NUMBER:

TITLE:

L1.1