

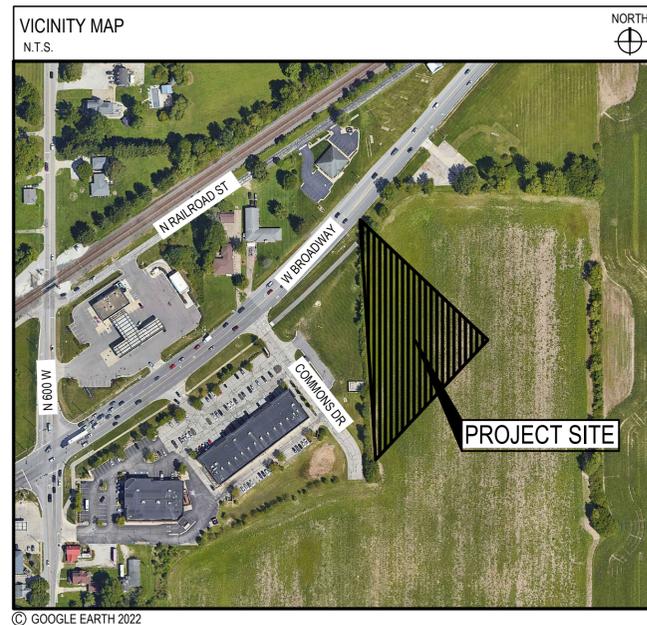
# IMPROVEMENT PLANS

# TACO BELL

5917 W BROADWAY  
MCCORDSVILLE, INDIANA  
OCTOBER 2024



520 South Main Street, Suite 2531  
Akron, OH 44311  
330.572.2100 Fax 330.572.2101



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**PROJECT DESCRIPTION**

THE PROJECT SITE IS A 1.03 ACRE PARCEL. A NEW TACO BELL RESTAURANT WITH A DRIVE-THRU, NEW PARKING LOT, CONCRETE SIDEWALKS, ALL APPURTENANT UTILITY CONNECTIONS, AND LANDSCAPING IS PROPOSED. THE EXISTING LAND IS A VACANT LOT. THE SITE IS SURROUNDED BY W BROADWAY TO THE NORTH, MCCORDS SQUARE PAVILION DEVELOPMENT TO THE EAST AND SOUTH, AND STAR FINANCIAL BANK TO THE WEST.

**INDIANA STATE SPECIFICATION**

THE STANDARD SPECIFICATIONS OF THE STATE OF INDIANA, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

**PLAN REPRODUCTION WARNING**  
THE PLANS HAVE BEEN PREPARED FOR PRINTING ON ANSI D (22"x34") SHEETS. PRINTING ON OTHER SIZE SHEETS MAY DISTORT SCALES. REFER TO GRAPHIC SCALES.

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**OWNER**

MCCORDS SQUARE PAVILION, LCC  
5750 E 91ST ST, #C  
INDIANAPOLIS, INDIANA 46250

**DEVELOPER**

TACO BELL OF AMERICA, LLC  
SPENCER COLLINS  
DIRECTOR OF CONSTRUCTION  
1 GLEN BELL WAY  
IRVINE, CA 92618  
P: (818) 919-2942



DATE	REMARKS

CONTRACT DATE:  
BUILDING TYPE: END-20  
PLAN VERSION:  
BRAND DESIGNER:  
SITE NUMBER: 317219  
STORE NUMBER: 463810  
PA/PM: EA  
DRAWN BY.: EH  
JOB NO.: 2024088.09

**TACO BELL**

5917 W BROADWAY  
MCCORDSVILLE, IN 46055



TITLE SHEET

TS-001

PLOT DATE:

# ALTA/NSPS LAND TITLE SURVEY

CITY OF MCCORDSVILLE  
VERNON TOWNSHIP  
COUNTY OF HANCOCK  
STATE OF INDIANA



## TITLE DESCRIPTION:

Block A in the Secondary Plat of McCord Square, an addition to the Town of McCordsville, Hancock County, Indiana, as per plat thereof recorded August 23, 2022 in Plat Cabinet D, Slide 201, as Instrument No. 202211264 in the Office of the Recorder of Hancock County, Indiana.

## GENERAL NOTES:

- THE DESCRIBED REAL ESTATE IS IN A ZONE X, AS INDICATED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY'S NATIONAL FLOOD INSURANCE PROGRAM PANEL NO. 18059C00180, EFFECTIVE DATE OF 12/4/2007.
- AS A RESULT OF ONE CALL 811 COORDINATION AS DESCRIBED IN THE INDIANA CODIFIED LAWS, THE UTILITY LINES SHOWN HEREON ARE BASED ON MARKS PLACED ON THE GROUND BY OTHERS AND/OR DEPICTED IN RECORDS/MAPPING PROVIDED, AND MAY NOT PROVIDE ACCURATE HORIZONTAL LOCATION INFORMATION OF SUBSURFACE FACILITIES. THESE THIRD PARTIES AND OTHERS ARE NOT CONTRACTUALLY OBLIGATED OR LIABLE TO GPD GROUP OR CLIENT. GPD GROUP ASSUMES NO LIABILITY OR RESPONSIBILITY ARISING OUT OF ANY SHOWN OR UNSHOWN UTILITIES ON THIS BASEMAP. ALL UTILITY INFORMATION PROVIDED IN THIS BASEMAP IS "UTILITY QUALITY LEVEL D", AS DEFINED IN ASCE MANUAL 38-22 "STANDARD GUIDELINE FOR INVESTIGATING AND DOCUMENTING EXISTING UTILITIES. PLANS/RESPONSES PROVIDED BY INDIANA 811 REQUEST CONFIRMATION NO.: 245021069 & 2405202825. UTILITY, STORM, OR SANITARY LINES SHOWN HEREON THAT ARE NOT DRAWN TO AN APPROPRIATE APPURTENANCE OR BUILDING ARE AN INDICATION OF AN UNKNOWN UTILITY CONNECTION OR A UTILITY OUTSIDE OF THE PROJECT SCOPE THAT HAS NOT BEEN INVESTIGATED FURTHER, AND ARE PROVIDED TO SHOW THEIR APPROXIMATE DIRECTION ONLY.
- PROPOSED PROPERTY LINE SHOWN IS APPROXIMATE. ANOTHER SURVEYING FIRM WILL BE IN RESPONSIBLE CHARGE FOR SPLITTING AND RECORDING THE PLAT FOR THIS PARCEL. THE FIRM IS ALSO RESPONSIBLE FOR SETTING ALL PROPERTY CORNERS ON THE PROPOSED AND PARENT PARCELS.
- THERE WAS EVIDENCE OF RECENT EARTH MOVING WORK DURING THE TIME OF THE FIELD SURVEY.
- THERE WAS EVIDENCE OF RECENT STREET OR SIDEWALK CONSTRUCTION DURING THE TIME OF THE FIELD SURVEY.
- ACCESS TO THE SURVEYED SITE IS BY WAY OF THE PROPOSED COMMONS DRIVE AND THE PROPOSED DEVELOPER'S DRIVE.



LOCATION MAP



## REFERENCES:

- COUNTY TAX MAP.
- DEEDS AS REFERENCED ON SURVEY.
- TITLE
- PROPOSED PROPERTY LINES PROVIDED BY CLIENT

## SCHEDULE B - SECTION II:

Chicago Title Company, LLC  
File No.: CTIN2400695  
Effective Date: February 02, 2024 at 08:00 AM

- Rights of Indiana Gas Company, Inc., as set out in Warranty Deed, recorded September 30, 1976 as Instrument No. 76-4667. (ADJACENT TO THE SURVEYED PROPERTY; PLOTTED AND SHOWN)
- Right, title and interest of Gary Kingen, as tenant in possession under an oral farm lease, as set out in Corporate Limited Warranty Deed, recorded October 3, 2007 as Instrument No. 070011466 and re-recorded on June 10, 2008 as Instrument No. 080006231. NOTE: Waiver and Release recorded September 19, 2022 as Instrument No. 202212610. (PLOTTED AND SHOWN)
- Terms and provisions set out in Ordinance No. 031108 (An Ordinance Amending The Hancock County, Indiana Zoning Ordinance), recorded September 5, 2008 as Instrument No. 080009227. (SURVEYED PROPERTY IS LOCATED WITHIN THE AREA DESCRIBED)
- Terms and provisions set out in Ordinance No. 121421 (Ordinance Amending Ordinance No. 121410, The Zoning Ordinance for the Town of McCordsville, Indiana), recorded January 14, 2022 as Instrument No. 202200705 and March 9, 2022 as Instrument No. 202203205. (SURVEYED PROPERTY IS LOCATED WITHIN THE AREA DESCRIBED)
- Terms, provisions and easement set out in Grant of Perpetual Drainage and Utility Easement granted to the Town of McCordsville, recorded July 20, 2022 as Instrument No. 202209673. (PLOTTED AND SHOWN)
- Title Exception as set out in Limited Warranty Deed to Pride Rebar McCord Square, LLC, recorded August 23, 2022 as Instrument No. 202211260. (PLOTTED AND SHOWN)
- Covenants, conditions, restrictions, easements and building lines set out on the Secondary Plat of McCord Square, recorded August 23, 2022 in Plat Cabinet D, Slide 201, as Instrument No. 202211264 and Certificate of Correction, recorded January 3, 2023 as Instrument No. 202300055. (NOT ON OR DOES NOT TOUCH THE SURVEYED PROPERTY)
- Omitting any covenants or restrictions, if any, including but not limited to those based upon race, color, religion, sex, sexual orientation, familial status, marital status, disability, handicap, national origin, ancestry, source of income, gender, gender identity, gender expression, medical condition or genetic information, as set forth in applicable state or federal laws, except to the extent that said covenant or restriction is permitted by applicable law. (PLOTTED AND SHOWN)
- Terms and provisions set out in Utility Relocation and Reimbursement Agreement by and between Town of McCordsville and Citizens Waterworks, recorded December 2, 2022 as Instrument No. 202215568. (NOT ON OR DOES NOT TOUCH THE SURVEYED PROPERTY)
- Terms and provisions set out in Ordinance No. 071222A (An Ordinance Amending Zoning Ordinance No. 121410, as Amended, of the Code of Ordinance of the Town of McCordsville, Indiana), recorded August 26, 2022 as Instrument No. 202211443. (SURVEYED PROPERTY IS LOCATED WITHIN THE AREA DESCRIBED)
- Terms and provisions set out in Lease Agreement by and between Town of McCordsville, Indiana (Lessor) and Rebar McCordsville, LLC and Rebar McCordsville, Inc., jointly and severally (Lessee), dated June 14, 2022 and recorded August 31, 2022 as Instrument No. 202211737, as amended by Scrivener's Affidavit, recorded October 3, 2022 as Instrument No. 202213165. Amended in Addendum #1 to Lease by and between Town of McCordsville, Indiana and Pride Rebar McCord Square, LLC, dated August 31, 2022 and recorded August 31, 2022 as Instrument No. 202211738, as amended in Scrivener's Affidavit, recorded October 3, 2022 as Instrument No. 202213166; and Further amended in Amendment No. 1 to Lease by and between Town of McCordsville, Indiana and Rebar McCordsville, LLC and Rebar McCordsville, Inc., jointly and severally, dated August 9, 2022 and recorded August 31, 2022 as Instrument No. 202211739. (NOT ON OR DOES NOT TOUCH THE SURVEYED PROPERTY)
- Terms and provisions set out in Lease by and between Rebar McCordsville, LLC and Rebar McCordsville, Inc., jointly and severally (Lessor) and Town of McCordsville, Indiana (Lessee) dated June 14, 2022 and recorded August 31, 2022 as Instrument No. 202211770. Amended in Amendment No. 1 to Sublease by and between Rebar McCordsville, LLC and Rebar McCordsville, Inc., jointly and severally and Town of McCordsville, Indiana, dated August 9, 2022 and recorded August 31, 2022 as Instrument No. 202211771, as amended by Scrivener's Affidavit, recorded October 3, 2022 as Instrument No. 202213169. (NOT ON OR DOES NOT TOUCH THE SURVEYED PROPERTY)
- Terms, provisions and easement set out in Drainage Easement Agreement by and between Pride Rebar McCord Square, LLC (Grantee) and Clark Brother, LLP (Grantor), recorded September 19, 2022 as Instrument No. 202212612. (PLOTTED AND SHOWN)
- Terms, provisions and easement set out in Easement Agreement by and between STAR Financial Bank (Grantor) and McCords Square Pavilion, LLC (Grantee), recorded January 20, 2023 as Instrument No. 202300626. (PLOTTED AND SHOWN)
- Terms and provisions set out in Ordinance No. 041123C (Ordinance Amending Ordinance No. 121410, The Zoning Ordinance for the Town of McCordsville, Indiana), recorded October 2, 2023 as Instrument No. 202309521. (SURVEYED PROPERTY IS LOCATED WITHIN THE AREA DESCRIBED)
- Rights of tenants in possession as tenants only under unrecorded leases. (NOT SURVEY RELATED; GPD DID NOT ADDRESS)
- A judgment search has been made versus McCords Square Pavilion, LLC and none found. (NOT SURVEY RELATED; GPD DID NOT ADDRESS)
- Please be advised that our search did not disclose any open mortgages of record. If you should have knowledge of any outstanding obligation, please contact the Title Department immediately for further review prior to closing. NOTE: Indiana state law, effective July 1, 2023, prohibits ownership of certain real property by certain foreign parties. This law can be found at Indiana Code § 1-1-16-1, et seq. ('the Act'). Any loss or damage resulting from a violation of the Act is excluded under the terms of the Policy. (NOT SURVEY RELATED; GPD DID NOT ADDRESS)

REV.	DATE	DESCRIPTION

TACO BELL  
5917 WEST BROADWAY  
MCCORDSVILLE, INDIANA 46055

ISSUED FOR:	
PERMIT	XXXXXX
BID	XXXXXX
CONSTRUCTION	XXXXXX
RECORD	XXXXXX
PROJECT MANAGER	DESIGNER
WDN	JLP

JOB NO.  
2024088.09

1 of 3

## CERTIFICATION:

TO MCCORDS SQUARE PAVILLION, AN INDIANA LIMITED LIABILITY COMPANY, TACO BELL OF AMERICA, LLC, A DELAWARE LIMITED LIABILITY COMPANY, AND EACH OF ITS SUCCESSORS AND ASSIGNS, AND CHICAGO TITLE INSURANCE COMPANY:

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2021 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 2, 3, 4, 5, 6(b), 8, 9, 11(b), 13, 16, 17, 18, 19 AND 20 OF TABLE A THEREOF. FIELD WORK WAS COMPLETED ON MAY 21, 2024.



*Steven L. Mullaney*  
STEVEN L. MULLANEY, INDIANA PROFESSIONAL SURVEYOR NO. 21100013

12/02/2024  
DATE

## ZONING:

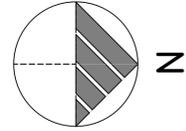
Information not provided by Title Insurer.

**BENCHMARKS:**

- EAST BONNET BOLT ON FIRE HYDRANT  
 N 1693057  
 E 257916  
 ELEV. = 856.36
- SOUTH EAST BONNET BOLT ON FIRE HYDRANT  
 N 1693249  
 E 257871  
 ELEV. = 857.45

**BASIS OF BEARING:**

STATE PLANE GRID NORTH, NAD 83 (2011),  
 INDIANA EAST ZONE.  
 ELEVATIONS ARE NAVD 88, GEOID 18.  
 TIED BY GPS TO THE INDIANA REAL TIME NETWORK.



BENCHMARK 2

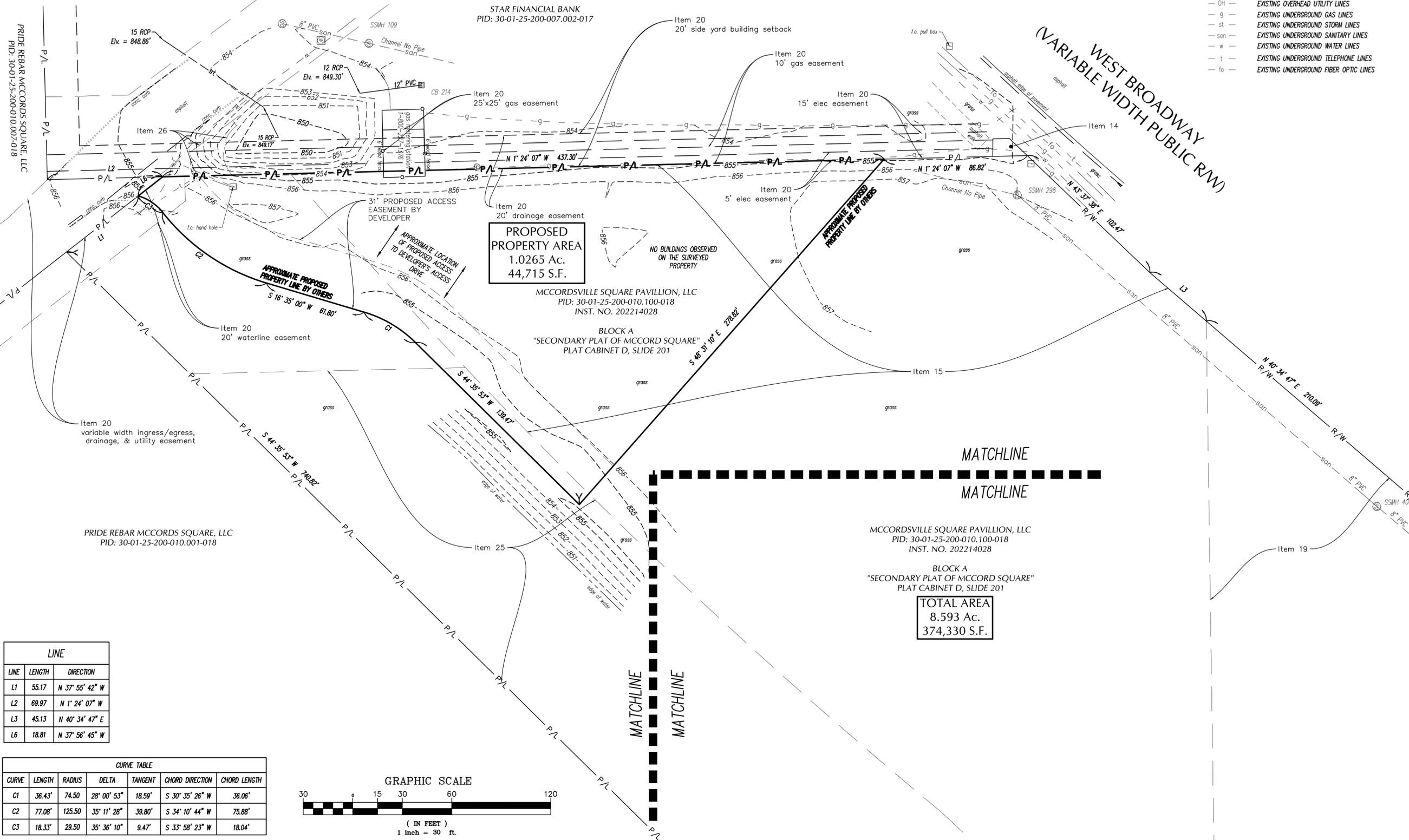
BENCHMARK 1

**INVERTS:**

- SSMH 109 T/C = 854.34  
 8" PVC (SW) = 845.34  
 CHANNEL NO PIPE (NE)
- CB 214 T/C = 853.59  
 12" PVC (SW) = 849.99
- SSMH 298 T/C = 855.98  
 8" PVC (NE) = 848.48  
 CHANNEL NO PIPE (SW)
- SSMH 400 T/C = 855.64  
 8" PVC (NE) = 846.94  
 8" PVC (SW) = 846.94

**LEGEND:**

- EXISTING IRON PIN FOUND AS NOTED
- EXISTING CAPPED IRON PIN FOUND AS NOTED
- ⊠ EXISTING CURB INLET
- ⊙ EXISTING SANITARY MANHOLE
- ⊕ EXISTING FIRE HYDRANT
- ⊞ EXISTING WATER METER
- ⊟ EXISTING TELEPHONE PEDESTAL
- ..... EXISTING CURB
- P/L - EXISTING PROPERTY LINE
- R/W - EXISTING RIGHT OF WAY LINE
- C/L - EXISTING CENTER LINE
- OH - EXISTING OVERHEAD UTILITY LINES
- g - EXISTING UNDERGROUND GAS LINES
- st - EXISTING UNDERGROUND STORM LINES
- san - EXISTING UNDERGROUND SANITARY LINES
- w - EXISTING UNDERGROUND WATER LINES
- t - EXISTING UNDERGROUND TELEPHONE LINES
- fo - EXISTING UNDERGROUND FIBER OPTIC LINES

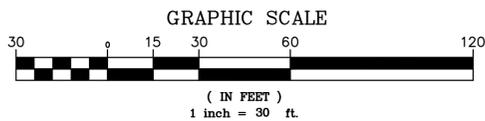


**PROPOSED PROPERTY AREA**  
 1.0265 Ac.  
 44,715 S.F.

**TOTAL AREA**  
 8.593 Ac.  
 374,330 S.F.

LINE		
LINE	LENGTH	DIRECTION
L1	55.17	N 37° 55' 42" W
L2	69.97	N 1° 24' 07" W
L3	45.13	N 40° 34' 47" E
L6	18.81	N 37° 56' 45" W

CURVE TABLE						
CURVE	LENGTH	RADIUS	DELTA	TANGENT	CHORD DIRECTION	CHORD LENGTH
C1	36.43'	74.50	28° 00' 53"	18.59'	S 30° 35' 26" W	36.06'
C2	77.08'	125.50	35° 11' 28"	39.80'	S 34° 10' 44" W	75.88'
C3	18.33'	29.50	35° 36' 10"	9.47'	S 33° 58' 23" W	18.04'



REV.	DATE	DESCRIPTION

**TACO BELL**  
 5917 WEST BROADWAY  
 MCCORDSVILLE, INDIANA 46055

ISSUED FOR:	
PERMIT	XXXXXXXX
BID	XXXXXXXX
CONSTRUCTION	XXXXXXXX
RECORD	XXXXXXXX
PROJECT MANAGER	DESIGNER
WDN	JLP

JOB NO.  
**2024088.09**



**DEMOLITION NOTES**

- CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS PRIOR TO ANY DEMOLITION PROCESS. CERTAIN ACTIVITIES ASSOCIATED WITH CONSTRUCTION WILL REQUIRE AIR PERMITS INCLUDING BUT NOT LIMITED TO: MOBILE CONCRETE BATCH PLANTS, MOBILE ASPHALT PLANTS, CONCRETE CRUSHERS, LARGE GENERATORS, ETC. THESE ACTIVITIES WILL REQUIRE SPECIFIC INDIANA'S EPA OR LOCAL GOVERNING AUTHORITIES AIR PERMITS FOR INSTALLATION AND OPERATION. CONTRACTORS MUST SEEK AUTHORIZATION FROM THE CORRESPONDING GOVERNING BODIES. FOR DEMOLITION OF ALL COMMERCIAL SITES, A NOTIFICATION FOR RESTORATION AND DEMOLITION MUST BE SUBMITTED TO THE CURRENT STATE'S EPA AND LOCAL GOVERNING AUTHORITIES TO DETERMINE ANY CORRECTIVE ACTIONS THAT MAY BE REQUIRED.
- DEMOLITION INCLUDES THE FOLLOWING:
  - TRANSFER BENCHMARK CONTROL TO NEW LOCATIONS OUTSIDE THE DISTURBED AREA PRIOR TO COMMENCING DEMOLITION OPERATIONS (WHEN APPLICABLE).
  - DEMOLITION AND REMOVAL OF SITE IMPROVEMENTS NECESSARY FOR THE PROPOSED CONSTRUCTION OF NEW IMPROVEMENTS.
  - REROUTING, RELOCATING, DISCONNECTING, CAPPING OR SEALING, AND ABANDONING/REMOVING SITE UTILITIES IN PLACE (WHICHEVER IS APPLICABLE).
- REMOVE AND LEGALLY DISPOSE OF ITEMS CALLED OUT TO BE REMOVED. REMOVE AND TRANSPORT DEBRIS IN A MANNER THAT WILL PREVENT SPILLAGE ON ADJACENT SURFACES AND AREAS. THOSE ITEMS INDICATED TO BE REINSTALLED, SALVAGED, OR TO REMAIN SHALL BE CLEANED, SERVICED, AND OTHERWISE PREPARED FOR REUSE. CONTRACTOR TO STORE AND PROTECT AGAINST DAMAGE. REINSTALL ITEMS IN LOCATIONS INDICATED.
- PROTECT ITEMS INDICATED TO REMAIN AGAINST DAMAGE AND SOILING THROUGHOUT CONSTRUCTION. WHEN PERMITTED BY THE CONSTRUCTION MANAGER OR OWNER, ITEMS MAY BE REMOVED TO A SUITABLE PROTECTED STORAGE LOCATION THROUGHOUT CONSTRUCTION AND THEN CLEANED AND REINSTALLED IN THEIR ORIGINAL LOCATIONS. PROMPTLY REPAIR DAMAGES TO ADJACENT FACILITIES CAUSED BY DEMOLITION OPERATIONS AT THE CONTRACTORS COST.
- CONTRACTOR SHALL SCHEDULE DEMOLITION ACTIVITIES WITH THE CONSTRUCTION/PROJECT MANAGER INCLUDING THE FOLLOWING:
  - DETAILED SEQUENCE OF DEMOLITION AND REMOVAL WORK, WITH STARTING AND ENDING DATES FOR EACH ACTIVITY.
  - DATES FOR SHUTOFF, CAPPING, AND CONTINUATION OF UTILITY SERVICES.
  - IDENTIFY AND ACCURATELY LOCATE UTILITIES AND OTHER SUBSURFACE STRUCTURAL, ELECTRICAL, OR MECHANICAL CONDITIONS.
- REGULATORY REQUIREMENTS: COMPLY WITH GOVERNING EPA NOTIFICATION REGULATIONS BEFORE STARTING DEMOLITION. COMPLY WITH HAULING AND DISPOSAL REGULATIONS OF AUTHORITIES HAVING JURISDICTION
- MAINTAIN EXISTING UTILITIES INDICATED TO REMAIN IN SERVICE AND PROTECT THEM AGAINST DAMAGE THROUGHOUT CONSTRUCTION OPERATIONS.
  - DO NOT INTERRUPT EXISTING UTILITIES SERVING OCCUPIED OR OPERATING FACILITIES, EXCEPT WHEN AUTHORIZED IN WRITING BY OWNER'S REPRESENTATIVE AND AUTHORITIES HAVING JURISDICTION. PROVIDE TEMPORARY SERVICES DURING INTERRUPTIONS TO EXISTING UTILITIES, AS ACCEPTABLE TO OWNER AND TO GOVERNING AUTHORITIES.
- LOCATE, IDENTIFY, DISCONNECT, AND SEAL OR CAP OFF INDICATED UTILITY SERVICES SERVING THE SITE. ARRANGE TO SHUT OFF AND CAP UTILITIES WITH UTILITY COMPANIES AND FOLLOW THEIR RESPECTIVE UTILITY KILL AND CAP POLICIES. DO NOT START DEMOLITION WORK UNTIL UTILITY DISCONNECTING AND SEALING HAVE BEEN COMPLETED AND VERIFIED IN WRITING BY THE UTILITY COMPANY.
- CONDUCT DEMOLITION OPERATIONS TO PREVENT INJURY TO PEOPLE AND DAMAGE TO ADJACENT BUILDINGS AND FACILITIES TO REMAIN. ENSURE SAFE PASSAGE OF PEOPLE AROUND DEMOLITION AREA. SAFE PASSAGE INCLUDES THE ERECTION OF TEMPORARY PROTECTION AND/OR BARRICADES AS PER LOCAL GOVERNING AUTHORITIES AND IN ACCORDANCE WITH THE CURRENT ADA REGULATIONS. USE OF EXPLOSIVES WILL NOT BE PERMITTED.
- CLEAN ADJACENT BUILDINGS AND IMPROVEMENT OF DUST, DIRT, AND DEBRIS CAUSED BY DEMOLITION OPERATIONS. RETURN ADJACENT AREAS TO CONDITION EXISTING BEFORE START OF DEMOLITION.
- PROMPTLY DISPOSE OF DEMOLISHED MATERIALS. DO NOT ALLOW DEMOLISHED MATERIALS TO ACCUMULATE ON-SITE. STORAGE OR SALE OF REMOVED ITEMS OR MATERIALS ON-SITE WILL NOT BE PERMITTED. NO BURNING OF ANY MATERIALS ON SITE SHALL BE PERMITTED.
- IT IS NOT EXPECTED THAT ASBESTOS WILL BE ENCOUNTERED IN THE COURSE OF THIS CONTRACT. IF ANY MATERIALS SUSPECTED OF CONTAINING ASBESTOS ARE ENCOUNTERED, DO NOT DISTURB THE MATERIALS. IMMEDIATELY NOTIFY THE CONSTRUCTION MANAGER AND THE OWNER.
- BELOW-GRADE DEMOLITION: DEMOLISH PAVEMENTS, AND OTHER BELOW-GRADE DEMOLITION, AS FOLLOWS:
  - COMPLETELY REMOVE BELOW-GRADE DEMOLITION, INCLUDING KNOWN AND UNKNOWN PAVEMENT SECTIONS INCLUDING UNDERLYING CONCRETE SLABS, AND OTHER BELOW GRADE CONCRETE SLABS FOUND DURING DEMOLITION (INCLUDING ITEMS WHICH MAY NOT BE IDENTIFIED HEREIN).
- FILLING BELOW-GRADE AREAS: COMPLETELY FILL BELOW-GRADE AREAS AND VOIDS RESULTING FROM DEMOLITION OF PAVEMENTS, AND OTHER REMOVED ITEMS WITH SOIL MATERIALS ACCORDING TO REQUIREMENTS PER SOILS REPORT AND ON-SITE GEOTECHNICAL ENGINEER'S REPRESENTATIVE. CONTRACTOR SHALL CONTACT GEOTECHNICAL ENGINEER PRIOR TO FILLING ANY AREAS TO OBSERVE FILL PROCEDURES.
- CONDUCT DEMOLITION OPERATIONS AND REMOVE DEBRIS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS, AND OTHER ADJACENT OCCUPIED AND USED FACILITIES. DO NOT CLOSE OR OBSTRUCT STREETS, WALKS, OR OTHER ADJACENT OCCUPIED OR USED FACILITIES WITHOUT PERMISSION FROM OWNER AND AUTHORITIES HAVING JURISDICTION. PROVIDE ALTERNATE ROUTES AROUND CLOSED OR OBSTRUCTED TRAFFIC WAYS IF REQUIRED BY GOVERNING REGULATIONS.
- CONTRACTOR TO WET SAWCUT EXISTING PAVEMENT TO REMAIN AT NEXT NEAREST JOINT PRIOR TO REMOVALS OF CURB, GUTTER, PAVEMENT, ETC.
- CONTRACTOR SHALL FULLY SECURE WORK AREA WITH THE APPROPRIATE SIGNAGE, FENCING, AND BARRICADES WHICH ACCOMMODATE VISUALLY IMPAIRED PERSONS AS AGREED UPON WITH SITE CONSTRUCTION/PROJECT MANAGER AND OWNER TO WARN AND KEEP PEOPLE OUT OF THE SITE WORK AREA FOR THE DURATION OF THE PROJECT.

**GENERAL PLAN AND SURVEY NOTES**

- PRIOR TO STARTING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING SURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS APPROVED BY ALL OF THE PERMITTING AUTHORITIES.
- THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE SECTION OF THESE NOTES ENTITLED "GRADING PLAN NOTES" FOR DEFINITIONS AS MAY BE NECESSARY FOR "GEOTECHNICAL ENGINEER" AND "SOILS REPORT".
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS, SPECIFICATIONS AND THE REQUIREMENTS AND STANDARDS OF THE LOCAL GOVERNING AUTHORITY. THE SOILS REPORT AND RECOMMENDATIONS SET FORTH THEREIN ARE A PART OF THE REQUIRED CONSTRUCTION DOCUMENTS AND TAKE PRECEDENCE UNLESS SPECIFICALLY NOTED OTHERWISE ON THE PLANS. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION/PROJECT MANAGER OF ANY DISCREPANCY BETWEEN SOILS REPORT AND PLANS, ETC.
- THE CONTRACTOR SHALL, UPON BECOMING AWARE OF SUBSURFACE OR LATENT PHYSICAL CONDITIONS DIFFERING FROM THOSE DISCLOSED BY THE ORIGINAL SOIL EXPLORATION WORK, PROMPTLY NOTIFY THE OWNER VERBALLY TO PERMIT VERIFICATION OF THE CONDITIONS AND IN WRITING, AS TO THE NATURE OF THE DIFFERING CONDITIONS. NO CLAIM BY THE CONTRACTOR FOR ANY CONDITIONS DIFFERING FROM THOSE ANTICIPATED IN THE PLAN AND SPECIFICATIONS AND DISCLOSED BY THE SOIL STUDIES WILL BE ALLOWED UNLESS THE CONTRACTOR HAS SO NOTIFIED THE OWNER, VERBALLY AND IN WRITING AS REQUIRED ABOVE, OF SUCH DIFFERING CONDITIONS.
- ALL WORK WITHIN THE RIGHTS OF WAY SHALL BE IN ACCORDANCE WITH THE GOVERNING JURISDICTION AND SPECIFICATIONS.
- CONTRACTOR SHALL COORDINATE ANY MAINTENANCE OF TRAFFIC WITH THE OWNER'S REPRESENTATIVE AND THE LOCAL JURISDICTION PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL AT ALL TIMES ENSURE THAT SWPP MEASURES PROTECTING EXISTING DRAINAGE FACILITIES BE IN PLACE PRIOR TO THE COMMENCEMENT OF ANY PHASE OF THE SITE CONSTRUCTION OR LAND ALTERATION. (SEE SWPP PLANS).
- ALL WORK SHALL BE COMPLETED IN A NEAT AND ORDERLY MANNER REMOVING ALL EXCESS MATERIAL AND WASTE FROM THE SITE INCLUDING TIMELY REMOVAL OF ANY CONCRETE SPLATTER, UPON COMPLETION OF PROJECT. CONTRACTOR SHALL CLEAN THE PAVED AREAS PRIOR TO REMOVAL OF TEMPORARY SEDIMENT CONTROLS. AS DIRECTED BY THE CITY AND/OR CONSTRUCTION/PROJECT MANAGER. IF POWER WASHING IS USED, NO SEDIMENT LADEN WATER SHALL BE WASHED INTO THE STORM SYSTEM. ALL SEDIMENT LADEN MATERIAL ON PAVEMENT OR WITHIN THE STORM SYSTEM SHALL BE COLLECTED AND REMOVED FROM THE SITE AT CONTRACTOR'S EXPENSE (SEE SWPP PLANS).
- THESE PROJECT CONSTRUCTION DOCUMENTS SHALL NOT CONSTITUTE A CONTRACTUAL RELATIONSHIP BETWEEN GPD GROUP, INC. AND THE CONTRACTOR / SUBCONTRACTOR / OR OTHER AFFILIATED PARTIES.
- THE ENGINEER WILL NOT BE RESPONSIBLE FOR CONSTRUCTION OR SAFETY. MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES UTILIZED IN CONSTRUCTION BY THE CONTRACTOR OR SUBCONTRACTORS. ANY SEQUENCING OR SUGGESTED NOTATIONS WHICH MAY APPEAR IN THE PLANS IS INTENDED TO ASSIST IN THE UNDERSTANDING OF PROJECT INTENT.
- DETAILS, NOTES, AND OTHER REFERENCES CONTAIN HEREIN MAY HAVE BEEN ATTAINED FROM OUTSIDE REFERENCE SOURCE LOCATIONS SUCH AS, BUT NOT LIMITED TO, LOCAL AUTHORITY AGENCIES, DESIGN REFERENCE MANUALS, MANUFACTURER'S RECOMMENDED DOCUMENTATION, OR OTHER INDUSTRY SOURCES. GPD DOES NOT WARRANT INFORMATION OR REPRESENTATION OF SAID CONTENT CONTAINED HEREIN, IT IS SHOWN SOLELY FOR REFERENCE ONLY OF DESIGN INTENT AT THE TIME OF PLAN PREPARATION. THE CONSTRUCTION TEAM MEMBERS (CONTRACTOR AND CONSTRUCTION MANAGER, WHERE APPLICABLE) SHALL OBTAIN THE MOST CURRENT DETAILED INFORMATION FROM THE RESPECTIVE SOURCE TO CONSTRUCT THE IMPROVEMENTS UNDER THE AUTHORITY OF THE RESPECTIVE GOVERNING AGENCIES. IF ANY DISCREPANCIES ARE DISCOVERED BETWEEN THE ORIGINAL DESIGN INTENT AND THE CONSTRUCTION TEAM OBTAINED REFERENCE MATERIAL, THE CONSTRUCTION MANAGER OR THE PROJECT'S CONTACT PERSON SHALL BE NOTIFIED PRIOR TO COMMENCING OF ASSOCIATED WORK.
- CONDUCT CONSTRUCTION OPERATIONS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS, AND OTHER ADJACENT OCCUPIED AND USED FACILITIES. DO NOT CLOSE OR OBSTRUCT STREETS, WALKS, OR OTHER ADJACENT OCCUPIED OR USED FACILITIES WITHOUT PERMISSION FROM OWNER AND AUTHORITIES HAVING JURISDICTION. PROVIDE ALTERNATE ROUTES AROUND CLOSED OR OBSTRUCTED TRAFFIC WAYS.
- THE ALTA/NPDS LAND TITLE SURVEY SIGNED/SEALED BY GPD GROUP, INC. ON 10/25/2024 SHALL BE CONSIDERED A PART OF THESE PLANS. THE G.C. IS RESPONSIBLE FOR LOCATING IMPROVEMENTS PER THESE PLANS.
- THE LOCATIONS OF UNDERGROUND FACILITIES SHOWN ON THE PLANS ARE BASED ON UTILITY LOCATES, RECORDS/R MAPING, AND DEVELOPER PLANS. IT SHALL BE THE CONTRACTOR'S FULL RESPONSIBILITY TO BECOME FAMILIAR WITH THE SITE'S POSSIBLE BELOW GRADE FEATURES, INCLUDING BUT NOT LIMITED TO, ROOMS, VAULTS, UTILITIES, ETC. AND SHALL CONDUCT A WALK THROUGH WITH THE OWNER'S REPRESENTATIVE. CONTRACTOR SHALL CONTACT THE VARIOUS UTILITY COMPANIES TO LOCATE THEIR FACILITIES PRIOR TO STARTING CONSTRUCTION. NO ADDITIONAL COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR REPAIR TO DAMAGE CAUSED BY THEIR WORK FORCE TO FACILITIES WHICH ARE NOT INTENDED TO BE DISTURBED.
- ALL DIMENSIONS, GRADES, AND UTILITY LOCATIONS SHOWN ON THESE PLANS WERE BASED ON THE SURVEY. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY CONSTRUCTION/PROJECT MANAGER IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR WORK HAVING TO BE REDONE DUE TO INFORMATION SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.
- IN SOME CASES, THE DEVELOPER OR OWNER MAY HAVE PROVIDED THEIR OVERALL DEVELOPMENT PLAN FOR THE PROJECT DESIGN RATHER THAN A FIELD SURVEY. (SEE SITE PLAN FOR NOTES WHEN THIS IS THE CASE). ALL DIMENSIONS, GRADES, AND UTILITY LOCATIONS SHOWN ON THESE PLANS WERE BASED ON SAID DEVELOPER PLANS. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY CONSTRUCTION MANAGER IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR WORK HAVING TO BE REDONE DUE TO INFORMATION SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.
- THE CONTRACTOR SHALL RUN AN INDEPENDENT VERTICAL CONTROL TRAVERSE TO CHECK BENCHMARKS AND A HORIZONTAL CONTROL TRAVERSE THROUGH THE REFERENCED PROJECT CONTROL DATUM TO CONFIRM GEOMETRIC DATA. IT IS THE CONTRACTORS RESPONSIBILITY TO NOTIFY THE CONSTRUCTION MANAGER OF ANY DISCREPANCIES PRIOR TO THE START OF CONSTRUCTION.
- CRASH RATED BOLLARDS SHALL BE PROVIDED AND INSTALLED AT ALL LOCATIONS WHICH ARE SEPARATING VEHICLES FROM PEDESTRIANS AND/OR STOREFRONTS REGARDLESS OR NOT OF BEING NOTED AS SUCH WITHIN THE PLANS. THE ANTICIPATED SPEED/PENETRATION RATING OF S20P1 ACCORDING TO ASTM F3016/3016M IS TO BE UTILIZED - THE FINAL SPACING, RATINGS, AND INSTALLATION DETAILS SHALL BE IN ACCORDANCE WITH ASTM AND THE MANUFACTURER'S REQUIREMENTS FOR REQUIRED LOCATIONS AND POSSIBLE VEHICLE APPROACH SPEED. INSTALLER / CONTRACTOR SHALL BE OR BECOME CERTIFIED INSTALLERS PRIOR TO INSTALLATION, CONTACT MANUFACTURER(S) FOR DETAILS.

**CONCRETE NOTES AND SPECIFICATIONS**

- ALL EXTERIOR SITE SPECIFIC PORTLAND CEMENT CONCRETE (PCC) (I.E. SIDEWALK, PAVEMENT OR CURBING) SHALL MEET THE MINIMUM REQUIREMENTS OF THE LATEST EDITIONS OF THE STATE DEPARTMENT OF TRANSPORTATION (DOT) AND THE AMERICAN CONCRETE INSTITUTE (ACI) SPECIFICATIONS USING THE RESPECTIVE ASTM STANDARDS FOR MATERIALS USED, MIXING, TRANSPORTATION, FORMING, PLACEMENT, CURING, AND SEALING. THE MINIMUM STRENGTH FOR NORMAL WEIGHT CONCRETE IS 4000 PSI AT 28 DAY STRENGTH. CONTRACTOR SHALL REFER TO DETAILS, NOTES, AND SPECIFICATIONS WITHIN THE CONSTRUCTION DOCUMENTS FOR VARIATIONS TO THIS SPECIFICATION. MIX DESIGN SHOP DRAWINGS SHALL BE TAILORED TO THE ACTUAL FIELD PLACEMENT CONDITIONS AND BE SUBMITTED TO THE CONSTRUCTION/PROJECT MANAGER IN ACCORDANCE WITH THE PROJECT REQUIREMENTS.
 

SLAB THICKNESS - " T "	MAXIMUM JOINT SPACING
LESS THAN 4 INCHES	8 FEET
4 - < 5 INCHES	10 FEET
5 - < 6 INCHES	12.5 FEET
6 INCHES - < 8 INCHES	15 FEET
8 INCHES - 10 INCHES	15 FEET
- ALL EXTERIOR CONCRETE CURBS SHALL HAVE JOINTS PER ACI 330. CURB JOINTS ARE TO ALIGN WITH CONCRETE PAVEMENT JOINTS WHERE APPLICABLE, TYPICALLY BEING 10 FT TO 12 FT. ALL EXTERIOR VEHICULAR CONCRETE PAVEMENT AND FLATWORK SHALL HAVE CONTROL JOINTS PER TABLE BELOW AND EXPANSION JOINTS PER ACI 330 TYPICAL RECOMMENDATIONS.
 

SLAB THICKNESS - " T "	MAXIMUM JOINT SPACING
LESS THAN 4 INCHES	8 FEET
4 - < 5 INCHES	10 FEET
5 - < 6 INCHES	12.5 FEET
6 INCHES - < 8 INCHES	15 FEET
8 INCHES - 10 INCHES	15 FEET
- ALL JOINTS, INCLUDING SAWED JOINTS, SHALL BE SEALED. JOINTS SHALL BE CLEANED AND DRIED PRIOR TO SEALING. JOINT SEALING MATERIALS SHALL COMPLY WITH ASTM D 6690 FOR HOT APPLIED ELASTOMERIC, ASTM D 5893 TYPE NS FOR SILICONE RUBBER, AND TT-S-00230C FOR SINGLE COMPONENT ELASTOMERIC. SEALER WIDTH, DEPTH, AND PREPARED APPLICATION SURFACES SHALL BE PER MANUFACTURER'S RECOMMENDATIONS. JOINT FILLER MATERIAL SHALL CONFORM TO ASTM D1751 OR ASTM D8139 AND EXTEND THE FULL DEPTH OF CONTACTING SURFACE.
- ALL CONCRETE PANELS SHALL BE SQUARE WITH A LENGTH TO WIDTH RATIO NO GREATER THAN 1.25 TO 1 AND HAVE A MEDIUM BROOM FINISH (TRANSVERSE, SLIP RESISTANT FOR PEDESTRIAN PATHWAYS) WHICH SHALL BE TO MINIMUM STRENGTH PRIOR TO OPENING FOR VEHICULAR TRAFFIC AREAS, STAGGERED/OFFSET JOINT, INTERIOR CORNERS, ANGLES LESS THAN 60 DEGREES, SLABS LESS THAN 18-INCHES WIDE, AND ODD SHAPES SHALL NOT BE PERMITTED. BLOCKOUTS AROUND ALL PAVEMENT CASTINGS SHALL BE PROVIDED IN ACCORDANCE WITH ACI RECOMMENDATIONS.
- ALL JOINTING (IF SHOWN HEREIN IS ONLY A GENERAL GUIDELINE OF DESIGN INTENT. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR FINAL LAYOUT OF THE JOINTING WHICH COINCIDES WITH THEIR MEANS AND METHODS TO ENSURE NO UNDESIRABLE CRACKS FORM THROUGH ANY PLACED CONCRETE. JOINTS SHALL BE APPROPRIATELY PLACED AS SOON AS POSSIBLE TO KEEP UNNECESSARY CRACKS FROM DEVELOPING. CONTRACTOR SHALL SUBMIT SHOP DRAWING OF THEIR PAVEMENT JOINT LAYOUT TO OWNER / CONSTRUCTION MANAGER PRIOR TO PLACEMENT FOR RECORD. THE CONTRACTOR SHALL REPLACE ANY CRACKED CONCRETE, WHICH HAS NOT BEEN PLACED/FINISHED IN ACCORDANCE WITH ACI STANDARDS, TO THE NEXT JOINT PAST THE EFFECTED AREA IF NO ADDITIONAL COST TO THE PROJECT WITHIN ONE YEAR OF PROJECT COMPLETION.
- DESIGN INTENT CONCRETE AND SHALL CONFORM TO THE FOLLOWING MINIMUM AND MAXIMUM VALUES:
 

a. STRENGTH	PER MIX DESIGN, MINIMUM 4000 PSI
b. PORTLAND CEMENT / BLENDED CEMENT CONTENT	550 LB / CY (ASTM C150 TYPE I/II, C595 TYPE II, 12% TARGET)
c. POZZOLAN MATERIALS (SEE NOTES BELOW)	SILICA FUME MAY REPLACE MAX 7% CEMENT, FLY ASH MAY REPLACE MAX 20% CEMENT, SLAG CEMENT MAY REPLACE MAX 25%
d. MAX W/C RATIO	PER MIX DESIGN, MAXIMUM 0.45
e. ENTRAINED AIR	6.5% AVG ± 1.5% (7.0% TARGET) ASTM C260
f. SLUMP	4" MAX WITHOUT WATER REDUCER
g. SLUMP WITH HRWR OR MID RANGE WR	6" TO 8"
h. WATER REDUCER	NORMAL TYPE A (ASTM C494)
i. RETARDER	NORMAL TYPE B OR D AS NEEDED (REQUIRED IF CONCRETE TEMPERATURE EXCEEDS 85F)
j. CONCRETE TEMPERATURE AT PLACEMENT	50F-90F
k. ACCELERATOR	NON-CHLORIDE TYPE ONLY - CALCIUM CHLORIDE IS PROHIBITED
l. FIBERS TO BE USED FOR SHRINKAGE CRACK CONTROL (-CURBS, WALKS, STEPS, RAMPS)	POLYPROPYLENE OR POLYETHYLENE MICRO SYNTHETIC FIBERS @ 1.5 LBS / CY (FIBERMESH 300 OR APPROVED EQUAL)
- FOR USE AS W.W.F. REPLACEMENT (VEHICULAR TRAFFIC PAVEMENT)	MACRO SYNTHETIC FIBERS @ 4.0 LBS / CY (TUF-STRAND SF OR APPROVED EQUAL)
- ALL SYNTHETIC FIBERS SHALL BE TYPE III PER ASTM C1116 AND ASTM D7508. MACRO FIBERS SHALL BE 1.5 TO 2.25 INCHES IN LENGTH. MICRO FIBERS SHALL BE 0.5 TO 0.75 INCHES IN LENGTH.
- ALL REINFORCING STEEL SHALL CONFORM TO ASTM A615, ASTM A1064, ASTM A307, AND ASTM A775. WHEN USED, ALL W.W.F. SLAB REINFORCEMENT SHALL BE SUPPORTED ON CHAIRS AND BE FLAT SHEETS ONLY. ZINC REPAIR MATERIAL SHALL CONFORM TO ASTM A780.
- CONCRETE SHALL ARRIVE AT JOB SITE WITH APPROPRIATE W/C RATIO. NO WATER SHALL BE ADDED TO CONCRETE ON SITE WHICH EXCEEDS THE MAXIMUM ALLOWED W/C RATIO AS INDICATED BY THE WRITTEN BATCH PLANT TICKET FROM THE SUPPLIER. SUPERPLASTICIZER AND/OR OTHER ADMIXTURES MAY BE UTILIZED TO ACHIEVE DESIRED WORKABILITY OR TO ACCOUNT FOR ADVERSE PLACEMENT CONDITIONS. ADMIXTURES SHALL BE UTILIZED ONLY IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS AND MEET THE REQUIREMENTS OF ASTM C494 AND/OR ASTM C1017.
- CONTRACTOR SHALL HAVE A MIN. 5 YEARS EXPERIENCE WITH SUCCESSFUL PLACEMENT OF CONCRETE UTILIZING POZZOLAN MATERIALS. MIX DESIGNS WHICH UTILIZED POZZOLAN MATERIALS SHALL BE IN ACCORDANCE WITH LOCAL DOT SPECIFICATIONS AND ACI STANDARDS. FLY ASH SHALL MEET THE REQUIREMENTS OF ASTM C618, CLASS C OR CLASS F. EXCEPT THE LOSS ON IGNITION MUST NOT EXCEED 5%. SLAG CEMENT ACCORDING TO ASTM C989, GRADE 100 MINIMUM. SILICA FUME SHALL BE DRY DENSIFIED MEETING THE REQUIREMENTS OF ASTM C1240. USE OF MATERIALS SHALL BE IN ACCORDANCE WITH ACI 211.1.
- AGGREGATES SHALL BE LOW-SHRINKAGE / WELL GRADED PER ASTM C33 AND THE LOCAL DOT SPECIFICATIONS WHICH ARE RESISTANT TO FREEZE / THAW, SULFATE ATTACK, AND ARE NOT ALKALI-CARBONATE AGGREGATES OR SUSCEPTIBLE TO ALKALI-AGGREGATE REACTIVITY.
- LIQUID MEMBRANE FORMING CURING COMPOUNDS SHALL BE PER ASTM C309 TYPE 1D OR 3, DISSIPATING IN ACCORDANCE WITH ACI 308. LIQUID MEMBRANE FORMING CURING COMPOUNDS SHALL BE APPLIED IN PERPENDICULAR UNIFORM APPLICATIONS PER MANUFACTURER'S RECOMMENDATIONS WITHIN THE ALLOWABLE TIME PERIODS. APPLICATIONS SHALL BE PHOTOGRAPH DOCUMENTED FOR EVEN AND CONSISTENT COVERAGE. NO POOLING OF MATERIAL SHALL BE ACCEPTED.
- CONCRETE SEALER SHALL BE APPLIED IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS. A WRITTEN STATEMENT FROM THE MANUFACTURER FOR THE SEALER AND CURING COMPOUND SHALL BE PROVIDED GUARANTEEING COMPATIBILITY.
- REFER TO ACI INDUSTRY STANDARDS FOR CONCRETE PLACEMENT AND INSTALLATION. CONTRACTOR SHALL INCLUDE PROVISIONS IN ACCORDANCE WITH ACI 306R AND 306R FOR HOT AND COLD WEATHER PLACEMENT WHEN PROJECT SCHEDULE TIMING FALLS WITHIN THE REQUIRED TEMPERATURE RANGES PER ACI AND THE LOCAL DOT.

**GRADING PLAN NOTES**

- A GEOTECHNICAL ENGINEERING EXPLORATION REPORT HAS BEEN PREPARED BY PROFESSIONAL SERVICE INDUSTRIES, INC. DATED 09/16/2024 AND SHALL BE CONSIDERED TO BE A PART OF THIS PLAN SET.
- BEFORE STARTING GRADING OPERATIONS, SEE STORMWATER POLLUTION PREVENTION PLAN, NOTES AND DETAILS (SWPP), LANDSCAPE PLAN AND GEOTECHNICAL ENGINEERING EXPLORATION REPORT FOR TREATMENT OF EXISTING GRADE.
- PRIOR TO SITE CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL INSTALL ALL SWPP MEASURES TO PROTECT EXISTING DRAINAGE FACILITIES. CONTRACTOR SHALL PREVENT SILTATION FROM LEAVING THE SITE AT ALL TIMES.
- STRIP BUILDING AND PAVEMENT AREAS OF ALL ORGANIC TOPSOILS. STOCKPILE SUITABLE TOPSOILS FOR RESPREADING ONTO LANDSCAPE AREAS. ALL EXCESS EXCAVATED MATERIALS SHALL BE REMOVED FROM THE SITE AT THE CONTRACTOR'S EXPENSE. SEE GEOTECHNICAL REPORT FOR STRIPPING AND TOPSOIL REQUIREMENTS.
- OBTAIN APPROVED BORROW SOIL MATERIALS OFF-SITE WHEN SUFFICIENT SATISFACTORY SOIL MATERIALS ARE NOT AVAILABLE ON-SITE.
- SITE GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE GEOTECHNICAL ENGINEERING EXPLORATION REPORT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL SOFT, YIELDING OR UNSUITABLE MATERIALS AND REPLACING WITH SUITABLE MATERIALS AS SPECIFIED IN THE GEOTECHNICAL ENGINEERING EXPLORATION REPORT. UNLESS OTHERWISE SPECIFIED IN THE PLANS, SPECIFICATIONS, OR GEOTECHNICAL ENGINEERING EXPLORATION REPORT THE SITE GRADING, EXCAVATION, AND EMBANKMENT SHALL BE IN ACCORDANCE WITH THE STATE DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS.
- AT A MINIMUM ALL EXCAVATED OR FILLED AREAS SHALL BE COMPACTED PER THE EXCEPT FROM THE GEOTECHNICAL ENGINEERING EXPLORATION REPORT SHOWN BELOW. THE CONTRACTOR SHALL FOLLOW THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEERING EXPLORATION REPORT AND RETAIN A QUALIFIED SOILS ENGINEER REGISTERED WITHIN THE STATE TO ENSURE COMPLIANCE WITH THE GEOTECHNICAL ENGINEERING EXPLORATION REPORT, MAKE GEOTECHNICAL RECOMMENDATIONS BASED ON FIELD CONDITIONS, AND ENSURE THAT ALL SHORING AND DEWATERING MEANS AND METHODS WILL NOT COMPROMISE THE STABILITY OF EXISTING OR PROPOSED FOOTINGS/FOUNDATIONS. THE OWNER SHALL RECEIVE ALL COMPACTON REPORTS PREPARED BY THE CONTRACTOR'S GEOTECHNICAL ENGINEER, VERIFYING THAT ALL FILLED AREAS AND SUBGRADE AREAS WITHIN THE BUILDING PAD AREA AND AREAS TO BE PAVED HAVE BEEN COMPACTED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE GEOTECHNICAL ENGINEERING EXPLORATION REPORT. NOTIFY PROJECT CONSTRUCTION MANAGER IF ANY UNSUITABLE SOILS ARE FOUND.
- FOLLOWING GRADING OF SUBSOIL TO SUBGRADE ELEVATIONS THE CONTRACTOR SHALL PLACE TOPSOIL TO A 6" DEPTH (UNLESS OTHERWISE SPECIFIED IN LANDSCAPING DETAILS) IN ALL DISTURBED AREAS WHICH ARE NOT TO BE PAVED. SMOOTHLY FINISH GRADE TO MEET SURROUNDING LAWN AREAS AND ENSURE POSITIVE DRAINAGE. STOCKPILED TOPSOIL SHALL BE SCREENED PRIOR TO RESPREADING. TOPSOIL SHALL BE FREE OF SUBSOIL, DEBRIS, BRUSH AND STONES LARGER THAN 1" IN ANY DIMENSION. ROCK HOUNDING IN PLACE WILL NOT BE PERMITTED. ALL EXCESS TOPSOIL SHALL BE LEGALLY DISPOSED OF OFF-SITE.
- ELEVATIONS GIVEN ARE AT BOTTOM FACE OF CURB AND/OR FINISHED PAVEMENT GRADE UNLESS OTHERWISE SPECIFIED ON GRADING PLAN. ALL PAVEMENT SHALL BE LAID ON A STRAIGHT, EVEN, AND UNIFORM GRADE WITH A MINIMUM OF 1% SLOPE TOWARD THE COLLECTION POINTS UNLESS OTHERWISE SPECIFIED ON THE GRADING PLAN. DO NOT ALLOW NEGATIVE GRADES OR PONDING OF WATER.
- SLOPE BUILDING SIDEWALK AWAY FROM THE BUILDING AT A MAXIMUM OF 1.5% (UNLESS OTHERWISE INDICATED ON THE GRADING PLAN).
- ADA GRADING NOTES:
  - MAX. CONSTRUCTED WALK CROSS SLOPE SHALL NOT BE MORE THAN 2.0%.
  - MAX. CONSTRUCTED WALK RUNNING SLOPE SHALL NOT BE MORE THAN 5.0%.
  - MAX. CONSTRUCTED CURB RAMP RUNNING SLOPE SHALL NOT BE MORE THAN 8.3%.
  - MAX. CONSTRUCTED SLOPE IN ANY DIRECTION WITHIN ADA PARKING, RAMP LANDINGS, AND LOADING AREAS SHALL NOT BE MORE THAN 2.0%.
- CONTRACTOR SHALL VERIFY ALL GRADES IN ADA AREAS PRIOR TO CONSTRUCTION AND NOTIFY THE CONSTRUCTION/PROJECT MANAGER IF THEY DON'T MEET ABOVE REQUIREMENTS.
- ANY CONSTRUCTED AREAS WITH SLOPES MORE THAN CODE ALLOWABLE WILL NOT BE ACCEPTED AND WILL REQUIRE THE CONTRACTOR TO REMOVE AND REPLACE AT NO ADDITIONAL COST TO THE PROJECT IN ORDER TO BE IN ACCORDANCE WITH CURRENT ADA REQUIREMENT.
- GAPS OR OPENINGS ALONG THE ACCESSIBLE ROUTE MUST NOT EXCEED 1/2 INCH WIDTH, PERPENDICULAR TO THE PREDOMINATE FLOW OF PEDESTRIAN TRAFFIC.
- CONTRACTOR SHALL ENSURE ALL ADA ACCESSIBLE PATHWAYS DO NOT EXCEED 1/4 INCH IN VERTICAL DIFFERENCE PER ADA REQUIREMENTS.
- WHEN CONSTRUCTING ASPHALTIC CONCRETE PAVEMENTS, CONTRACTOR SHALL PROVIDE BUTT END JOINT TO MEET EXISTING PAVEMENT IN ELEVATION AT DRIVE RETURNS AND ENSURE POSITIVE DRAINAGE.

**GENERAL UTILITY NOTES**

- CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES IMMEDIATELY AFTER BID IS AWARDED AND ENSURE THE UTILITY COMPANIES HAVE THE ESSENTIALS REQUIRED FOR COMPLETE SERVICE INSTALLATION. CONTRACTOR SHALL NOTIFY CONSTRUCTION MANAGER OF ANY TIME FRAMES ESTABLISHED BY UTILITY COMPANIES WHICH WILL NOT MEET OPENING DATE.
- CONTRACTOR SHALL VERIFY THE SIZE, LOCATION, INVERT ELEVATION, AND CONDITION OF EXISTING UTILITIES WHICH ARE INTENDED TO BE UTILIZED AS A CONNECTION POINT FOR ALL PROPOSED UTILITIES PRIOR TO ANY CONSTRUCTION. CONTRACTOR TO ENSURE EXISTING UTILITIES ARE IN GOOD CONDITION AND FREE FLOWING (IF APPLICABLE). IF ELEVATIONS, SIZE, OR LOCATION DIFFER FROM WHAT IS SHOWN ON PLANS, CONTRACTOR SHALL NOTIFY CONSTRUCTION MANAGER IMMEDIATELY.
- WHERE PLANS PROVIDE FOR PROPOSED WORK TO BE CONNECTED TO, OR CROSS OVER AN EXISTING SEWER OR UNDERGROUND UTILITY, THE CONTRACTOR SHALL LOCATE THE EXISTING PIPES OR UTILITIES BOTH AS TO LINE AND GRADE BEFORE STARTING THE PROPOSED WORK. IF IT IS DETERMINED THAT THE ELEVATION OF THE EXISTING CONDUIT, OR EXISTING APPURTENANCE RESULTS IN A CHANGE IN THE PLAN, THE CONSTRUCTION MANAGER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED WORK WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILITY. PAYMENT FOR ALL THE OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT ITEM.
- UTILITY SERVICE PROVIDERS RULES AND REQUIREMENTS TAKE PRECEDENCE OVER INFORMATION HEREIN. IF DISCREPANCY ARISES, CONTRACTOR SHALL FULLY COORDINATE WITH UTILITY SERVICE PROVIDER PRIOR TO START OF CONSTRUCTION.

**SANITARY SEWER NOTES**

- SANITARY SEWER LATERAL INVERT AT BUILDING SHALL BE A MINIMUM OF 5' BELOW FINISH FLOOR.
- CLEAN-OUTS TO BE INSTALLED AT ALL PIPE BENDS AND ANGLES, UNLESS A MANHOLE IS INDICATED.
- THE CONTRACTOR SHALL HIRE A LOCAL PLUMBER LICENSED WITH THE LOCAL SANITARY JURISDICTION TO MAKE ALL CONNECTIONS FROM THE BUILDING TO THE EXISTING SEWER. CONTRACTOR SHALL SECURE A SANITARY SEWER CONNECTION PERMIT PRIOR TO ANY CONSTRUCTION. THE CONTRACTORS PRICE FOR SANITARY SEWER INSTALLATION SHALL INCLUDE ALL FEES AND APPURTENANCES REQUIRED BY THE LOCAL SANITARY JURISDICTION TO PROVIDE A COMPLETE WORKING SERVICE. COORDINATE ALL WORK WITH RON CRIDER, PUBLIC WORKS SUPERVISOR @ (317) 355-3493 OR rcrider@mccordsville.org.
- ALL SANITARY PIPE MATERIAL SHALL BE 6" PVC, SDR 35 CONFORMING TO ASTM D 3034, WITH JOINTS PER ASTM 3212 UNLESS OTHERWISE REQUIRED BY THE LOCAL JURISDICTION.

**STORM SEWER NOTES**

- ALL STORM SEWER PIPE 12" OR GREATER IN DIAMETER SHALL BE CORRUGATED HIGH DENSITY POLYETHYLENE (HDPE) SMOOTH INTERIOR PIPE (UNLESS OTHERWISE NOTED ON PLAN). HDPE PIPE SHALL CONFORM TO ASTM D 3350 AND JOINTS PER ASTM F477. STORM SEWER LESS THAN 12" IN DIAMETER SHALL BE PVC, SDR 35, PER ASTM D 3034 AND JOINTS PER ASTM D 3212 (OR APPROVED EQUAL).
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRENCHING, BACKFILLING AND PIPE INSTALLATION, PIPE MATERIAL AND TAP CONNECTION. COORDINATE ALL WORK WITH RON CRIDER, PUBLIC WORKS SUPERVISOR @ (317) 355-3493 OR rcrider@mccordsville.org.
- ALL DRAINAGE STRUCTURES AT PAVEMENT SUMP'S SHALL HAVE FINGER DRAINS PER DETAILS IN PLANS.

**WATER NOTES**

- WATER SERVICE MATERIALS SHALL BE COPPER TYPE "K" UNLESS OTHERWISE NOTED ON PLANS. DIAMETER SHALL BE AS NOTED ON THESE PLANS AND SHALL BE INSTALLED WITH A MINIMUM COVER OF 60" OR BELOW FROST LINE, WHICHEVER IS GREATER.
  - CONSTRUCTION AND MATERIALS PROVIDED BY THE WATER COMPANY:
    - TAP MAIN.
    - FURNISH AND INSTALL CURB STOP & BOX AND WATER METER.
    - COORDINATE ALL WORK WITH THE CITIZENS ENERGY @ newservice@citizensenergygroup.com.
  - CONSTRUCTION AND MATERIALS PROVIDED BY THE CONTRACTOR:
    - FURNISH AND INSTALL COPPER SERVICE LINE FROM METER TO BUILDING.
    - ALL TRENCHING AND BACKFILLING.
- CONTRACTOR SHALL PROVIDE 100% IRRIGATION PER CONSTRUCTION/PROJECT MANAGER AND CITY/VILLAGE/TOWNSHIP REQUIREMENTS. COORDINATE SLEEVE LOCATIONS WITH THE CONSTRUCTION/PROJECT MANAGER AND IRRIGATION CONSULTANT PRIOR TO PAVEMENT AND CURB INSTALLATION.

**EXISTING GENERAL LEGEND:**

	EXISTING CATCH BASIN
	EXISTING CURB INLET
	EXISTING SANITARY MANHOLE
	EXISTING FIRE HYDRANT
	EXISTING WATER METER
	EXISTING TELEPHONE PEDESTAL
	EXISTING CONCRETE PADIAREA
	EXISTING PROPERTY LINE
	EXISTING RIGHT OF WAY LINE
	EXISTING CENTER LINE
	EXISTING OVERHEAD UTILITY LINES
	EXISTING UNDERGROUND GAS LINES
	EXISTING UNDERGROUND STORM LINES
	EXISTING UNDERGROUND SANITARY LINES
	EXISTING UNDERGROUND WATER LINES
	EXISTING UNDERGROUND ELECTRIC LINES
	EXISTING UNDERGROUND TELEPHONE LINES
	EXISTING UNDERGROUND FIBER OPTIC LINES
	EXISTING CURB
	EXISTING CURB & GUTTER
	EXISTING CONTOUR



DATE	REMARKS

CONTRACT DATE: \_\_\_\_\_  
 BUILDING TYPE: END-20  
 PLAN VERSION: \_\_\_\_\_  
 BRAND DESIGNER: \_\_\_\_\_  
 SITE NUMBER: 317219  
 STORE NUMBER: 463810  
 PA/PM: EA  
 DRAWN BY.: EH  
 JOB NO.: 2024088.09

**TACO BELL**  
 5917 W BROADWAY  
 MCCORDSVILLE, IN 46055



**GENERAL NOTES**

**C-001**

PLOT DATE: \_\_\_\_\_

**GENERAL NOTES**

- ALL WORK SPECIFIED AS A DEPARTMENT OF TRANSPORTATION ITEM SHALL BE GOVERNED BY THE INDIANA DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS AS WELL AS THE CURRENT EDITION OF THE LOCAL JURISDICTION STORM WATER MANAGEMENT MANUAL. IT IS THE CONTRACTOR'S RESPONSIBILITY TO POSSESS AND TO BE FAMILIAR WITH APPLICABLE SECTIONS.
- THESE CONTRACT DRAWINGS SHALL BE MADE AVAILABLE ON SITE AT ALL TIMES AND PRESENTED UPON REQUEST. IF UNFORESEEN STORM WATER POLLUTION IS ENCOUNTERED, ADDITIONAL STORM WATER POLLUTION PREVENTION (SWPP) MEASURES SHALL BE IMPLEMENTED TO MANAGE THE CURRENT SITE CONDITIONS WHICH MAY BE REQUESTED BY THE OWNER, COUNTY ENGINEER, PROJECT ENGINEER OR SOIL AND WATER CONSERVATION SERVICE REPRESENTATIVE AT ANYTIME. SUCH REQUESTS AND CHANGE IN SITE CONDITIONS SHALL BE IMPLEMENTED IMMEDIATELY AT CONTRACTOR'S EXPENSE.
- ALL STORM WATER POLLUTION PREVENTION PRACTICES SHALL BE INSTALLED BEFORE ANY OTHER EARTH MOVING OCCURS.
- SEDIMENT BARRIERS SHALL BE INSTALLED DOWNSLOPE OF DISTURBED AREAS. SEDIMENT BARRIERS SHALL BE INSTALLED ALONG LEVEL CONTOURS. MAXIMUM CONTRIBUTING DRAINAGE AREA TO SEDIMENT BARRIERS SHALL BE PER THE CURRENT STATE'S EPA OR THE LOCAL AUTHORITY REQUIREMENTS. COMPOSITE FILTER SOCKS USED IN LIEU OF SILT FENCE SHALL BE A MINIMUM OF 12 INCHES IN DIAMETER.
- SILT BARRIERS SHALL BE INSTALLED AROUND ALL EXISTING AND NEW STORM INLETS, CATCH BASINS AND YARD DRAINS. INSTALL ROCK CHECK DAMS FOR HEADWALL INLETS FOR STORM WATER POLLUTION PREVENTION.
- STORM WATER POLLUTION PREVENTION MEASURES SHALL BE INSTALLED AROUND ALL DIRT OR TOPSOIL STOCKPILES AND OTHER TEMPORARILY DISTURBED AREAS AS MAY BE SHOWN ON THESE PLANS AND/OR AS DIRECTED BY THE ENGINEER OR THE LOCAL AUTHORITY HAVING JURISDICTION.
- SILT BARRIERS, CONSTRUCTION ENTRANCES, AND SILT PERIMETER CONTROLS SHALL REMAIN IN PLACE UNTIL A GOOD STAND OF GRASS HAS BEEN OBTAINED AND/OR PAVING OPERATIONS ARE COMPLETE. CONTRACTOR SHALL KEEP SILT FROM ENTERING ANY STORM DRAINAGE SYSTEM. ONCE SITE HAS BEEN COMPLETELY STABILIZED, ANY SILT IN PIPES AND DRAINAGE SWALES SHALL BE REMOVED WITHIN 10 DAYS.
- ALL EXISTING WATER COURSES WITHIN THE PROJECT LIMITS SHALL BE TEMPORARILY PROTECTED DURING LAND CLEARING AND GRADING OPERATIONS. SOILS WITHIN 50 FEET OF SAID WATER COURSES SHALL BE STABILIZED WITHIN 2 DAYS OF THE INITIAL CLEARING / GRADING OPERATION.
- CONSTRUCTION ENTRANCE SHALL BE UTILIZED. IF CONDITIONS ARE SUCH THAT MUD IS COLLECTING ON VEHICLE TIRES, THE TIRES MUST BE CLEANED BEFORE THE VEHICLES ENTER THE PUBLIC ROADWAY. THE SITE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT THE TRACKING OR FLOW OF MUD ONTO THE PUBLIC RIGHT-OF-WAY. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES ONTO THE ROADWAYS MUST BE REMOVED PROMPTLY.
- IF FOR ANY REASON, THE PROJECT IS SUSPENDED, THE CONTRACTOR SHALL ENSURE THAT ALL INSTALLED EROSION MEASURES ARE FUNCTIONING AND PROPERLY MAINTAINED DURING THIS PERIOD, AND THAT ALL BARE SOILS ARE SEEDED AND MULCHED WITH TEMPORARY SEED MIXTURE.
- CONCRETE WASHOUT FACILITY (IF APPLICABLE) SHALL BE CONSTRUCTED IN ACCORDANCE WITH PLAN DETAILS AND LOCAL GOVERNING AUTHORITY REGULATIONS AND INSTRUCTIONS.
- IMPLEMENTATION OF EROSION AND SEDIMENT CONTROLS SHALL CONFORM TO STATE OF INDIANA CONSTRUCTION GENERAL PERMIT #INRA0009 AND THE TOWN OF MCCORDSVILLE CODIFIED ORDINANCES. IF A CONFLICT EXISTS BETWEEN THE TWO REGARDING EROSION AND SEDIMENT CONTROL IMPLEMENTATION, THE MORE RESTRICTIVE SHALL APPLY.
- DISTURBED AREAS WITHIN 50' OF A STREAM SHALL HAVE PERMANENT STABILIZATION APPLIED WITHIN 2 DAYS OF FINAL GRADE.
- DISTURBED AREAS WHICH WILL REMAIN DORMANT FOR OVER 1 YEAR OR ARE AT FINAL GRADE SHALL HAVE PERMANENT STABILIZATION APPLIED WITHIN 7 DAYS OF LAST EARTHWORK DISTURBANCE.

**INSPECTION NOTES**

- CONTRACTOR SHALL INSPECT ALL SWPP MEASURES DAILY. CONTRACTOR'S INSPECTOR SHALL BE A QUALIFIED INDIVIDUAL. SITE INSPECTIONS SHALL BE LOGGED WEEKLY AND WITHIN 24 HOURS AFTER EVERY RAINFALL EVENT EXCEEDING 1/2" OF RAINFALL. ALL NECESSARY REPAIRS SHOULD BE IMPLEMENTED IMMEDIATELY AFTER SUCH INSPECTIONS.
- CONTRACTOR'S INSPECTOR SHALL BE RESPONSIBLE FOR PREPARING AND SIGNING WEEKLY AND ALL INTERMEDIATE EROSION CONTROL INSPECTION REPORTS AFTER EVERY INSPECTION, WHICH INCLUDE BUT NOT LIMITED TO (DISTURBED AREAS, MATERIAL STORAGE AREAS, EROSION AND SEDIMENT CONTROLS, DISCHARGE LOCATIONS AND VEHICLE ENTRANCE/EXIT LOCATIONS). SUCH REPORTS SHALL BE MADE AVAILABLE TO OWNER, ENGINEER AND CITY / STATE OFFICIALS UPON THEIR REQUEST.
- REPORTS SHALL BE KEPT FOR 3 YEARS AFTER TERMINATION OF THE CONSTRUCTION ACTIVITIES.
- CONTRACTOR MAY SUBMIT A WAIVER REQUEST TO THE LOCAL AND STATE GOVERNING AUTHORITIES FOR A REDUCTION TO MONTHLY INSPECTIONS IF THE SITE WILL BE STABILIZED AND DORMANT FOR A LONG PERIOD, AND/OR THE RUNOFF IS UNLIKELY DUE TO WEATHER CONDITIONS FOR AN EXTENDED PERIOD OF TIME (FROZEN GROUND).
- FOR BMPs THAT REQUIRE REPAIR OR MAINTENANCE - NON SEDIMENT POND BMPs ARE TO BE REPAIRED WITHIN 3 DAYS OF INSPECTION AND SEDIMENT PONDS ARE TO BE REPAIRED OR CLEANED OUT WITHIN 10 DAYS OF INSPECTION.
- FOR BMPs THAT DO NOT MEET THE INTENDED FUNCTION, A NEW BMP SHALL BE INSTALLED WITHIN 10 DAYS OF THE INSPECTION.
- FOR MISSING BMPs REQUIRED, THE MISSING BMPs SHALL BE INSTALLED WITHIN 10 DAYS OF THE INSPECTION.

**SPILLS AND CONTAMINATION**

- CONSTRUCTION PERSONNEL, INCLUDING SUBCONTRACTORS WHO MAY USE OR HANDLE HAZARDOUS OR TOXIC MATERIALS, SHALL BE MADE AWARE OF THE FOLLOWING GENERAL GUIDELINES REGARDING DISPOSAL AND HANDLING OF HAZARDOUS AND CONSTRUCTION WASTES:
  - PREVENT SPILLS
  - USE PRODUCTS UP
  - FOLLOW LABEL DIRECTIONS FOR DISPOSAL
  - REMOVE LIDS FROM EMPTY BOTTLES AND CANS WHEN DISPOSING IN TRASH
  - RECYCLE WASTES WHENEVER POSSIBLE
  - DONT POUR INTO WATERWAYS, STORM DRAINS OR ONTO THE GROUND
  - DONT POUR DOWN THE SINK, DOOR DRAIN OR SEPTIC TANKS
  - DONT BURY CHEMICALS OR CONTAINERS
  - DONT BURN CHEMICALS OR CONTAINERS
  - DONT MIX CHEMICALS TOGETHER
- ANY DISCHARGE OF PETROLEUM OR PETROLEUM PRODUCTS OF LESS THAN 25 GALLONS ONTO A PVIOUS SURFACE SHALL BE LEGALLY REMOVED AND PROPERLY TREATED OR PROPERLY DISPOSED OF, OR OTHERWISE REMEDIATED, SO THAT NO CONTAMINATION FROM THE DISCHARGE REMAINS ON-SITE. SPILLS OF 25 GALLONS OR MORE OF PETROLEUM PRODUCTS SHALL BE REPORTED TO THE INDIANA'S EPA, THE LOCAL FIRE DEPARTMENT, AND THE LOCAL EMERGENCY PLANNING COMMITTEE WITHIN 30 MINUTES OF THE DISCOVERY OF THE RELEASE. ALL SPILLS WHICH CONTACT WATERS OF THE STATE MUST BE REPORTED TO THE CURRENT STATE'S EPA.
- SPILL REPORTING REQUIREMENTS: SPILLS ON PAVEMENT SHALL BE ABSORBED WITH SAWDUST OR KITTY LITTER AND DISPOSED OF WITH THE TRASH AT A LICENSED SANITARY LAND FILL. HAZARDOUS OR INDUSTRIAL WASTES SUCH AS MOST SOLVENTS, GASOLINE, OIL-BASED PAINTS, AND CEMENT CURING COMPOUNDS REQUIRE SPECIAL HANDLING. SPILLS SHALL BE REPORTED TO THE INDIANA'S EPA.
- CONTAINERS SHALL BE PROVIDED FOR THE PROPER COLLECTION OF ALL WASTE MATERIAL INCLUDING CONSTRUCTION DEBRIS, TRASH, PETROLEUM PRODUCTS AND ANY HAZARDOUS MATERIALS USED ON-SITE. CONTAINERS SHALL BE COVERED AND NOT LEAKING. ALL WASTE MATERIAL SHALL BE DISPOSED OF AT FACILITIES APPROVED FOR THAT MATERIAL. CONSTRUCTION DEMOLITION AND DEBRIS (CD&D) WASTE MUST BE DISPOSED OF AT THE INDIANA'S EPA APPROVED CD&D LAND FILL.
- PROCESS WASTE WATER/LEACHATE MANAGEMENT : EPA'S CONSTRUCTION GENERAL PERMIT ONLY ALLOWS THE DISCHARGE OF STORM WATER AND DOES NOT INCLUDE OTHER WASTE STREAMS/DISCHARGES SUCH AS VEHICLE AND/OR EQUIPMENT WASHING, ON-SITE SEPTIC LEACHATE CONCRETE WASH OUTS, WHICH ARE CONSIDERED PROCESS WASTEWATERS. ALL PROCESS WASTEWATERS MUST BE COLLECTED AND PROPERLY DISPOSED AT AN APPROVED DISPOSAL FACILITY. IN THE EVENT, LEACHATE OR SEPTAGE IS DISCHARGED; IT MUST BE ISOLATED FOR COLLECTION AND PROPER DISPOSAL AND CORRECTIVE ACTIONS TAKEN TO ELIMINATE THE SOURCE OF WASTE WATER.
- WASTES GENERATED BY CONSTRUCTION ACTIVITIES (I.E. CONSTRUCTION MATERIALS SUCH AS PAINTS, SOLVENTS, FUELS, CONCRETE, WOOD, ETC) MUST BE DISPOSED OF IN ACCORDANCE WITH LOCAL REGULATIONS. HAZARDOUS AND TOXIC SUBSTANCES ARE USED ON VIRTUALLY ALL CONSTRUCTION SITES. GOOD MANAGEMENT OF THESE SUBSTANCES IS ALWAYS NEEDED.
- NO CONSTRUCTION RELATED WASTE MATERIALS ARE TO BE BURIED OR BURNED ON-SITE.
- HANDLING CONSTRUCTION CHEMICALS: MIXING, PUMPING, TRANSFERRING OR OTHER HANDLING OF CONSTRUCTION CHEMICALS SUCH AS FERTILIZER, LIME, ASPHALT, CONCRETE DRYING COMPOUNDS, AND ALL OTHER POTENTIALLY HAZARDOUS MATERIALS SHALL BE PERFORMED IN AN AREA AWAY FROM ANY WATERCOURSE, DITCH OR STORM DRAIN.
- EQUIPMENT FUELING AND MAINTENANCE, OIL CHANGING, ETC., SHALL BE PERFORMED AWAY FROM WATERCOURSES, DITCHES OR STORM DRAINS, IN AN AREA DESIGNATED FOR THAT PURPOSE. THE DESIGNATED AREA SHALL BE EQUIPPED FOR RECYCLING OIL AND CATCHING SPILLS. SECONDARY CONTAINMENT SHALL BE PROVIDED FOR ALL FUEL OIL STORAGE TANKS. THESE AREAS MUST BE INSPECTED EVERY SEVEN DAYS AND WITHIN 24 HRS. OF A 0.5 INCH OR GREATER RAIN EVENT TO ENSURE THERE ARE NO EXPOSED MATERIALS WHICH WOULD CONTAMINATE STORM WATER. SITE OPERATORS MUST BE AWARE THAT SPILL PREVENTION CONTROL AND COUNTERMEASURES (SPCC) REQUIREMENTS MAY APPLY. AN SPCC PLAN IS REQUIRED FOR SITES WITH ONE SINGLE ABOVE GROUND TANK OF 660 GALLONS OR MORE, ACCUMULATIVE ABOVE GROUND STORAGE OF 1330 GALLONS OR MORE, OR 42,000 GALLONS OF UNDERGROUND STORAGE. CONTAMINATED SOILS MUST BE PROPERLY DISPOSED OF IN ACCORDANCE WITH LOCAL GOVERNING AUTHORITY REGULATIONS. SPCC PLAN AND APPROVALS ARE THE RESPONSIBILITY OF THE CONTRACTOR.
- CONTAMINATED SOILS: IF SUBSTANCES SUCH AS OIL, DIESEL FUEL, HYDRAULIC FLUID, ANTIFREEZE, ETC. ARE SPILLED, LEAKED, OR RELEASED ONTO THE SOIL, THE SOIL SHOULD BE DUG UP AND DISPOSED OF AT LICENSED SANITARY LAND FILL OR OTHER APPROVED PETROLEUM CONTAMINATED SOIL REMEDIATION FACILITY (NOT A CONSTRUCTION / DEMOLITION DEBRIS LAND FILL). NOTE THOSE STORM WATER RUNOFFS ASSOCIATED WITH CONTAMINATED SOILS ARE NOT BE AUTHORIZED UNDER CURRENT REGULATIONS OF CONSTRUCTION ACTIVITIES.
- CONTRACTOR SHALL TAKE PREVENTIVE MEASURES FOR WATER DISCHARGES FROM CONTAMINATED SOILS BY ANY MEANS POSSIBLE, INCLUDING THE FOLLOWING:
  - THE USE OF BERMS, TRENCHES, AND PITS TO COLLECT CONTAMINATED RUNOFF AND PREVENT DISCHARGES.
  - PUMPING RUNOFF INTO A SANITARY SEWER (WITH PRIOR WRITTEN APPROVAL OF THE SANITARY SEWER SERVICE OPERATOR) OR INTO A CONTAINER FOR TRANSPORT TO AN APPROPRIATE TREATMENT/ DISPOSAL FACILITY.
  - COVERING AREAS OF CONTAMINATION WITH TARPS OR OTHER METHODS THAT PREVENT STORMWATER FROM COMING INTO CONTACT WITH CONTAMINATED MATERIALS.

**TEMPORARY SEEDING**

- STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES SUCH AS DIVERSIONS AND SEDIMENT TRAPS SHALL BE INSTALLED AND STABILIZED WITH TEMPORARY SEEDING PRIOR TO GRADING THE REST OF THE CONSTRUCTION SITE.
- TEMPORARY SEEDING / STABILIZATION SHALL BE APPLIED WITHIN THE FOLLOWING TIME FRAMES FOR VARIOUS AREAS OF THE SITE:
  - ANY DISTURBED AREA WITHIN 50 FEET OF A WATERCOURSE AND NOT AT FINAL GRADE SHALL BE SEEDED AND MULCHED WITHIN 2 DAYS OF THE MOST RECENT DISTURBANCE, IF THAT AREA WILL REMAIN IDLE FOR MORE THAN 14 DAYS.
  - ALL CONSTRUCTION ACTIVITIES IN ANY DISTURBED AREA, INCLUDING SOIL STOCKPILES THAT WILL BE IDLE FOR MORE THAN 14 DAYS BUT LESS THAN ONE YEAR, AND NOT WITHIN 50 FEET OF A WATERCOURSE SHALL BE SEEDED AND MULCHED WITHIN 7 DAYS OF THE MOST RECENT DISTURBANCE IN THE AREA.
  - DISTURBED AREAS THAT WILL BE IDLE OVER THE WINTER SHALL BE SEEDED AND MULCHED PRIOR TO NOVEMBER 1.
- THE SEED BED SHOULD BE PULVERIZED AND LOOSE TO ENSURE THE SUCCESS OF ESTABLISHING VEGETATION. TEMPORARY SEEDING SHOULD NOT BE POSTPONED IF IDEAL SEED BED PREPARATION IS NOT POSSIBLE.
- TEMPORARY VEGETATION SEEDING RATES SHALL ESTABLISH ADEQUATE STANDS OF VEGETATION, WHICH MAY REQUIRE USE OF SOIL AMENDMENTS. BASE RATES FOR LIME AND FERTILIZER SHALL BE USED.
- ALL SEED MIXES AND SEEDING RATES USED SHALL BE APPROVED BY THE LOCAL GOVERNING AUTHORITY AND THE OWNER.
- SEED SHALL BE APPLIED UNIFORMLY WITH A CYCLONE SPREADER, DRILL, CULTIPACKER, SEEDER, OR HYDROSEEDER, WHEN FEASIBLE. SEED THAT HAS BEEN BROADCAST SHALL BE COVERED BY RAKING OR DRAGGING AND THEN LIGHTLY TAMPED INTO PLACE USING A ROLLER OR CULTIPACKER. IF HYDROSEEDING IS USED, THE SEED AND FERTILIZER WILL BE MIXED ON-SITE AND THE SEEDING SHALL BE DONE IMMEDIATELY AND WITHOUT INTERRUPTION.
- APPLICATIONS OF TEMPORARY SEEDING SHALL INCLUDE MULCH, WHICH SHALL BE APPLIED DURING OR IMMEDIATELY AFTER SEEDING. SEEDINGS MADE DURING OPTIMUM SEEDING DATES ON FAVORABLE, VERY FLAT SOIL CONDITIONS MAY NOT NEED MULCH TO ACHIEVE ADEQUATE STABILIZATION. IF MULCH IS USED, FOLLOW THE REQUIREMENTS AND INSTRUCTIONS IN THE MULCH APPLICATION.

**MULCH**

- MULCH AND OTHER APPROPRIATE VEGETATIVE PRACTICES SHALL BE APPLIED TO DISTURBED AREAS WITHIN 7 DAYS OF GRADING IF THE AREA IS TO REMAIN DORMANT (UNDISTURBED) FOR MORE THAN 21 DAYS OR ON AREAS AND PORTIONS OF THE SITE WHICH CAN BE BROUGHT TO FINAL GRADE.
  - MULCH SHALL CONSIST OF ONE OF THE FOLLOWING:
    - STRAW SHALL BE UNROOTED SMALL GRAIN STRAW APPLIED AT THE RATE OF 2 TONS/AC, OR 90 LB /1,000 SQ. FT. (TWO TO THREE BALES) THE STRAW MULCH SHALL BE SPREAD UNIFORMLY BY HAND OR MECHANICALLY SO THE SOIL SURFACE IS COVERED. FOR UNIFORM DISTRIBUTION OF HAND-SPREAD MULCH, DIVIDE AREA INTO APPROXIMATELY 1,000 SQ. FT. SECTIONS AND PLACE TWO 45-LB BALES OF STRAW IN EACH SECTION.
    - WOOD CELLULOSE FIBER SHOULD BE USED AT 2,000 LB.AC, OR 46 LB/1,000 SQ. FT.
    - ACCEPTABLE MULCHES INCLUDE MULCH MATTINGS AND ROLLED EROSION CONTROL PRODUCTS APPLIED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS OR WOOD MULCH/CHIPS APPLIED AT 10-20 TONS/AC.
  - MULCH SHALL BE ANCHORED IMMEDIATELY TO MINIMIZE LOSS BY WIND OR RUNOFF. THE FOLLOWING ARE ACCEPTABLE METHODS FOR ANCHORING MULCH.
    - USE A DISK, CRIMPER, OR SIMILAR TYPE TOOL SET STRAIGHT TO PUNCH OR ANCHOR THE MULCH MATERIAL INTO THE SOIL. STRAW MECHANICALLY ANCHORED SHALL NOT BE FINELY CHOPPED BUT BE LEFT GENERALLY LONGER THAN 6 INCHES.
    - USE MULCH NETTINGS ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS, FOLLOWING ALL PLACEMENT AND ANCHORING REQUIREMENTS. USE IN AREAS OF WATER CONCENTRATION AND STEEP SLOPES TO HELP MULCH IN PLACE.
    - FOR STRAW MULCH, SYNTHETIC BINDERS SUCH AS ACRYLIC DLR (AGRI-TAC), DCA-70, PETROSET, TERRA TACK OR EQUAL MAY BE USED AT RATES RECOMMENDED BY THE MANUFACTURER. ALL APPLICATIONS OF SYNTHETIC BINDERS MUST BE CONDUCTED IN SUCH A MANNER WHERE THERE IS NO CONTACT WITH WATERS OF THE STATE.
    - WOOD CELLULOSE FIBER MAY BE USED FOR ANCHORING STRAW. THE FIBER BINDER SHALL BE APPLIED AT A NET DRY WEIGHT OF 750 LB/AC. THE WOOD CELLULOSE FIBER SHALL BE MIXED WITH WATER AND THE MIXTURE SHALL CONTAIN A MAXIMUM OF 50 LB/100 GAL. OF WOOD CELLULOSE FIBER.

**DUST CONTROL NOTES**

- DUST CONTROL SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. IF POSSIBLE GRADING SHALL BE DONE BY PHASING IN ORDER TO MINIMIZE THE AMOUNT OF LAND DISTURBANCE AT ONE TIME. IF PHASING IS NOT AN OPTION, DUST SHALL BE CONTROLLED WITH WATER DURING EARTHWORK OPERATIONS. AFTER EARTHWORK OPERATIONS, THE EXPOSED SOILS SHALL BE COVERED WITH STRAW OR MULCH UNTIL SEEDED.
- DUST CONTROL OR DUST SUPPRESSANTS MAY BE USED TO PREVENT NUISANCE CONDITIONS WHEN APPROVED BY THE LOCAL AUTHORITY HAVING JURISDICTION. WHEN USED, SUPPRESSANTS SHALL BE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND IN A MANNER, WHICH PREVENTS A DISCHARGE TO WATERS OF THE STATE. SUFFICIENT DISTANCE MUST BE PROVIDED BETWEEN APPLICATIONS AND NEARBY BRIDGES, CATCH BASINS, AND OTHER WATERWAYS. APPLICATION (EXCLUDING WATER) MAY NOT OCCUR WHEN RAIN IS IMMINENT AS NOTED IN THE SHORT TERM FORECAST. OIL MAY NOT BE APPLIED FOR DUST CONTROL.
- SUGGESTED METHODS OF CONSTRUCTION DUST CONTROL MAY INCLUDE THE FOLLOWING:
  - CONSTRUCTION SEQUENCING AND DISTURBING ONLY SMALL AREAS AT A TIME CAN GREATLY REDUCE PROBLEMATIC DUST FROM THE SITE. IF LAND MUST BE DISTURBED, ADDITIONAL TEMPORARY STABILIZATION MEASURES SHOULD BE CONSIDERED PRIOR TO DISTURBANCES.
  - APPLY TEMPORARY OR PERMANENT SEEDING AND MULCH TO AREAS THAT WILL REMAIN IDLE FOR OVER 14 DAYS. SAVING EXISTING TREES AND LARGE SHRUBS WILL ALSO REDUCE SOIL AND AIR MOVEMENT ACROSS DISTURBED AREAS.
  - SPRAY DISTURBED SITE WITH WATER UNTIL THE SURFACE IS WET BEFORE AND DURING GRADING AND REPEAT AS NEEDED, ESPECIALLY ON HAUL ROADS AND OTHER HEAVY TRAFFIC ROUTES. WATERING SHALL BE DONE AT A RATE THAT PREVENTS DUST BUT DOES NOT CAUSE SOIL EROSION. WETTING AGENTS MAY BE UTILIZED ACCORDING TO MANUFACTURERS INSTRUCTIONS.
  - GRADED ROADWAYS AND OTHER SUITABLE AREAS MAY BE STABILIZED USING CRUSHED STONE OR COARSE GRAVEL AS SOON AS PRACTICABLE AFTER REACHING AN INTERIM OR FINAL GRADE. CRUSHED STONE OR COARSE GRAVEL CAN BE USED AS A PERMANENT COVER TO PROVIDE CONTROL OF SOIL EMISSIONS. EXISTING WINDBREAK VEGETATION SHALL BE MARKED AND PRESERVED TO THE EXTENT POSSIBLE. SNOW FENCING OR OTHER SUITABLE BARRIER MAY BE PLACED PERPENDICULAR TO PREVAILING AIR CURRENTS AT INTERVALS OF ABOUT 15 TIMES THE BARRIER HEIGHTS TO CONTROL AIR CURRENTS AND BLOWING SOIL.
  - WHEN TEMPORARY DUST CONTROL MEASURES ARE USED; REPETITIVE TREATMENT SHOULD BE APPLIED AS NEED TO ACCOMPLISH SATISFACTORY CONTROL.
  - PAVED AREAS THAT HAVE ACCUMULATED SEDIMENT FROM CONSTRUCTION SHOULD BE CLEANED DAILY, OR AS NEEDED, UTILIZING A STREET SWEEPER OR BUCKET-TYPE ENDLOADER OR SCRAPER.

**DEWATERING**

DEWATERING REFERS TO THE ACT OF REMOVING AND DISCHARGING WATER FROM EXCAVATED AREAS ON CONSTRUCTION SITES, UTILITY LINE CONSTRUCTION OR FROM SEDIMENT TRAPS OR BASINS ON CONSTRUCTION SITES. GIVEN THE UNIQUE CONDITIONS AT ANY PARTICULAR CONSTRUCTION SITE, ANY OR ALL OF THE PRACTICES MAY APPLY. IN ALL CASES, EVERY EFFORT SHALL BE MADE TO ELIMINATE SEDIMENT POLLUTION ASSOCIATED WITH DEWATERING.

- PRACTICES FOR DEWATERING EXCAVATED AREAS
- PUMPING OF WATER TO AN EXISTING SEDIMENT BASIN OR TRAP IN WHICH THE ENTIRE VOLUME OF WATER FROM THE AREA TO BE DEWATERED CAN BE CONTAINED WITHOUT DISCHARGE TO RECEIVING WATERS.
  - PUMPING OF WATER TO AN EXISTING SEDIMENT BASIN OR TRAP SUCH THAT THE ENTIRE VOLUME OF WATER FROM THE AREA TO BE DEWATERED CAN BE MANAGED WITHOUT EXCEEDING THE DESIGN OUTFLOW FROM THE SEDIMENT CONTROL STRUCTURE.
  - USE OF A STRAW BALE/SILT FENCE PIT OR TRAP AS DESCRIBED HEREIN AND APPROVED BY THE LOCAL GOVERNING AUTHORITY.
  - PUMPING WATER THROUGH A GEOTEXTILE BAG MADE SPECIFICALLY FOR THIS PURPOSE.
  - A WELL-VEGETATIVE FILTER STRIP, CAPABLE OF WITHSTANDING THE VELOCITY OF DISCHARGED WATER WITHOUT ERODING, INCLUDING THE INSTALLATION OF ENERGY DISSIPATION (HAYBALES, RIPRAP OR SHEET OF PLYWOOD) AT THE PUMP DISCHARGE.
  - USE A SUMP PIT TO REDUCE THE PUMPING OF MUD.

DEWATERING OF SEDIMENT TRAPS AND BASINS. IN ALL CASES, WATER REMOVED FROM TRAPS AND BASINS SHALL BE DISCHARGED SO THAT IT PASSES THROUGH A SEDIMENT CONTROL DEVICE APPROVED BY THE LOCAL GOVERNING AUTHORITY PRIOR TO ENTERING RECEIVING WATERS. PRACTICES FOR DEWATERING OF TRAPS AND BASINS MAY INCLUDE SOME OR ALL OF THE FOLLOWING AS MAY BE APPROVED AND APPLICABLE. IN ALL CASES, THE DEWATERING OPERATIONS UTILIZED MUST BE CONTINUOUSLY MONITORED BY THE CONTRACTOR.

- USE OF A STRAW BALE/SILT FENCE PIT OR TRAP.
  - AN EXCAVATED BASIN (APPLICABLE TO "STRAW BALE/SILT FENCE PIT") MAY BE LINED WITH FILTER FABRIC TO HELP REDUCE SCOUR AND TO PREVENT EROSION OF SOIL FROM WITHIN THE STRUCTURE. IT MAY ALSO BE HELPFUL TO DIRECT THE DISCHARGE ONTO A HAY OR STRAW BALE OR RIPRAP.
  - MEASURES SHALL CONSIST OF STRAW BALES, SILT FENCE AND A STONE OUTLET CONSISTING OF A COMBINATION OF 4-8 INCH RIPRAP AND ½ TO 2 INCH AGGREGATE AND A WET STORAGE PIT ORIENTED AS SHOWN IN DRAWING.
  - THE EXCAVATED AREA SHOULD BE A MINIMUM OF 3 FEET BELOW THE BASE OF THE PERIMETER MEASURES (STRAW BALES OR SILT FENCE).
  - ONCE THE WATER LEVEL NEARS THE CREST OF THE STONE WEIR (EMERGENCY OVERFLOW), THE PUMP MUST BE STOPPED WHILE THE STRUCTURE DRAINS DOWN TO THE ELEVATION OF THE WET STORAGE.
  - THE WET STORAGE PIT MAY BE DEWATERED ONLY AFTER A MINIMUM OF 6 HOURS OF SEDIMENT SETTLING TIME. THIS EFFLUENT SHOULD BE PUMPED ACROSS A WELL-VEGETATED AREA OR THROUGH A SILT FENCE PRIOR TO ENTERING A WATERCOURSE.
  - ONCE THE DEVICE HAS BEEN REMOVED, GROUND CONTOURS SHALL BE RETURNED TO ORIGINAL CONDITION.
- PUMPING WATER THROUGH A GEOTEXTILE BAG MADE SPECIFICALLY FOR THIS PURPOSE.
  - THE BAG SHALL BE INSTALLED ON A VERY SLIGHT SLOPE SO INCOMING WATER FLOWS DOWNHILL THROUGH THE BAG WITHOUT CREATING MORE EROSION.
  - THE INLET OPENING OF THE DEWATERING DEVICE SHALL HAVE A FILL SPOUT LARGE ENOUGH TO ACCOMMODATE THE DISCHARGE HOSE AND SHALL USE TWO STAINLESS STEEL STRAPS TO SECURE THE HOSE AND PREVENT PUMPED WATER FROM ESCAPING WITHOUT BEING FILTERED.
  - THE BAG SHOULD BE PLACED ON AN AGGREGATE OR HAY BALE BED TO MAXIMIZE WATER FLOW THROUGH THE ENTIRE SURFACE AREA OF THE BAG.
  - THE FILTER BAG IS FULL WHEN IT NO LONGER CAN EFFICIENTLY FILTER SEDIMENT OR PASS WATER AT A REASONABLE RATE.
  - FLOW RATES VARY DEPENDING ON THE SIZE OF THE DEWATERING DEVICE, AMOUNT OF SEDIMENT DISCHARGED INTO THE DEWATERING DEVICE, THE TYPE OF GROUND, ROCK, OR OTHER SUBSTANCE UNDER THE BAG AND THE DEGREE OF THE SLOPE ON WHICH THE BAG LIES. THE FILTER BAG SHOULD BE SIZED TO ACCOMMODATE THE ANTICIPATED FLOW RATES FROM THE TYPE OF PUMP USED. IN ALL CASES FOLLOW THE MANUFACTURERS RECOMMENDATIONS FOR PUMPING FLOW RATES.
  - THE FILTER BAG CAN BE LEFT IN PLACE AFTER CUTTING THE TOP OFF AND SEEDING AND MULCHING THE ACCUMULATED SEDIMENT OR REMOVED AND DISPOSED OF OFFSITE IN AN APPROVED LANDFILL.
- A WELL-VEGETATIVE FILTER STRIP, CAPABLE OF WITHSTANDING THE VELOCITY OF DISCHARGED WATER WITHOUT ERODING, INCLUDING THE INSTALLATION OF ENERGY DISSIPATION (HAYBALES, RIPRAP OR SHEET OF PLYWOOD) AT THE PUMP DISCHARGE. SUCH OTHER METHODS AS MAY BE APPROVED BY THE LOCAL GOVERNING AUTHORITY.
- REGARDLESS OF THE TYPE OF TREATMENT, ALWAYS USE A FLOATING SUCTION HOSE TO PUMP THE CLEANER WATER FROM THE TOP OF THE POND, AS THE CLEANER WATER IS PUMPED, THE SUCTION HOSE WILL LOWER AND EVENTUALLY ENCOUNTER SEDIMENT-LADEN WATER. AT THIS POINT CEASE PUMPING OPERATIONS AND REMOVE THE REMAINDER OF THE TRAPPED SEDIMENT WITH MACHINERY. EVEN WHEN PUMPING FROM THE TOP OF THE WATER COLUMN, PROVISIONS MUST STILL BE MADE TO FILTER WATER AS REQUIRED IN THIS SECTION PRIOR TO DISCHARGING TO A STREAM. DURING THE DEWATERING, PERSONNEL SHOULD BE ASSIGNED TO MONITOR PUMPING OPERATIONS AT ALL TIMES TO ENSURE THAT SEDIMENT POLLUTION IS ABATED. PUMPING SEDIMENT-LADEN WATER INTO THE WATERS OF THE STATE WITHOUT FILTRATION IS PROHIBITED.
- THE DEWATERING DEVICE MUST BE SIZED (AND OPERATED) TO ALLOW PUMPED WATER TO FLOW THROUGH THE FILTERING APPARATUS WITHOUT EXCEEDING THE CAPACITY OF THE STRUCTURE.



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DATE	REMARKS

CONTRACT DATE:  
BUILDING TYPE: END-20  
PLAN VERSION:  
BRAND DESIGNER:  
SITE NUMBER: 317219  
STORE NUMBER: 463810  
PA/PM: EA  
DRAWN BY.: EH  
JOB NO.: 2024088.09

**TACO BELL**  
5917 W BROADWAY  
MCCORDSVILLE, IN 46055



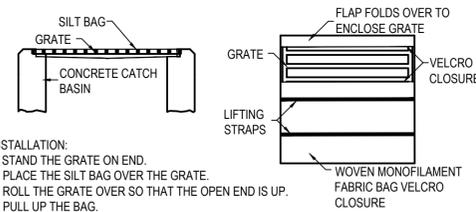
SWPP NOTES

**C-010**

PLOT DATE:

- NOTES:
- 1) SILT FENCE SHALL BE CONSTRUCTED BEFORE UPSLOPE LAND DISTURBANCE BEGINS.
  - 2) ALL SILT FENCE SHALL BE PLACED AS CLOSE TO THE CONTOUR AS POSSIBLE SO THAT WATER WILL NOT CONCENTRATE AT LOW POINTS IN THE FENCE AND SO THAT SMALL SWALES OR DEPRESSIONS WHICH MAY CARRY SMALL CONCENTRATED FLOWS TO THE SILT FENCE ARE DISSIPATED ALONG ITS LENGTH.
  - 3) TO PREVENT WATER PONDED BY THE SILT FENCE FROM FLOWING AROUND THE ENDS, EACH END SHALL BE CONSTRUCTED UPSLOPE SO THAT THE ENDS ARE AT A HIGHER ELEVATION.
  - 4) WHERE POSSIBLE, SILT FENCE SHALL BE PLACED ON THE FLATTEST AREA AVAILABLE.
  - 5) WHERE POSSIBLE, VEGETATION SHALL BE PRESERVED FOR 5 FT. (OR AS MUCH AS POSSIBLE) UPSLOPE FROM THE SILT FENCE. IF VEGETATION IS REMOVED, IT SHALL BE REESTABLISHED WITHIN 7 DAYS FROM THE INSTALLATION OF THE SILT FENCE.
  - 6) THE HEIGHT OF THE SILT FENCE SHALL BE A MINIMUM OF 16 IN. ABOVE THE ORIGINAL GROUND SURFACE.
  - 7) THE FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID THE USE OF JOINTS. WHEN JOINTS ARE NECESSARY, FILTER CLOTH SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST, WITH A MINIMUM 6 INCH OVERLAP, AND SECURELY SEALED.
  - 8) POSTS SHALL BE A MINIMUM OF 5 FEET LONG, 2 INCHES IN DIAMETER AND SPACED A MAXIMUM OF 10 FEET APART AT THE BARRIER LOCATION AND DRIVEN SECURELY INTO THE GROUND. WHEN EXTRA STRENGTH FABRIC IS USED WITHOUT THE WIRE SUPPORT FENCE, POST SPACING SHALL NOT EXCEED 6 FEET.
  - 9) THE SILT FENCE SHALL BE PLACED IN A TRENCH CUT A MINIMUM OF 6 INCHES DEEP. THE TRENCH SHALL BE CUT WITH A TRENCHER, CABLE LAYING MACHINE, OR OTHER SUITABLE DEVICE WHICH WILL ENSURE AN ADEQUATELY UNIFORM TRENCH DEPTH.
  - 10) THE SILT FENCE SHALL BE PLACED WITH THE STAKES ON THE DOWNSLOPE SIDE OF THE GEOTEXTILE AND SO THAT 8 IN. OF CLOTH ARE BELOW THE GROUND SURFACE. EXCESS MATERIAL SHALL LAY ON THE BOTTOM OF THE 6 IN. DEEP TRENCH. THE TRENCH SHALL BE BACKFILLED AND COMPACTED.
  - 11) WHEN EXTRA STRENGTH FILTER FABRIC AND CLOSER POST SPACING ARE USED, THE WIRE MESH SUPPORT FENCE MAY BE ELIMINATED. IN SUCH A CASE, THE FILTER FABRIC IS STAPLED OR WIRED DIRECTLY TO THE POSTS.
  - 12) THE STANDARD STRENGTH FILTER FABRIC SHALL BE STAPLED OR WIRED TO THE FENCE, AND 8 INCHES OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH. THE FABRIC SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE. FILTER FABRIC SHALL NOT BE STAPLED TO EXISTING TREES.
  - 13) SEAMS BETWEEN SECTION OF SILT FENCE SHALL BE OVERLAPPED WITH THE END STAKES OF EACH SECTION WRAPPED TOGETHER BEFORE DRIVING INTO THE GROUND.
  - 14) SILT FENCE SHALL ALLOW RUNOFF TO PASS ONLY AS DIFFUSE FLOW THROUGH THE GEOTEXTILE. IF RUNOFF OVERTOPS THE SILT FENCE, FLOWS UNDER OR AROUND THE ENDS, OR IN ANY OTHER WAY BECOMES A CONCENTRATED FLOW, ONE OF THE FOLLOWING SHALL BE PERFORMED, AS APPROPRIATE: A) THE LAYOUT OF THE SILT FENCE SHALL BE CHANGED, B) ACCUMULATED SEDIMENT SHALL BE REMOVED, OR C) OTHER PRACTICES SHALL BE INSTALLED.

- MAINTENANCE:
- SILT FENCE SHOULD BE INSPECTED REGULARLY AND FREQUENTLY AS WELL AS AFTER EACH RAINFALL EVENT TO ENSURE THAT THEY ARE INTACT AND THERE ARE NO GAPS AT THE FENCE-GROUND INTERFACE OR TEARS ALONG THE LENGTH OF THE FENCE. IF GAPS OR TEARS ARE FOUND, THEY SHOULD BE REPAIRED OR THE FABRIC REPLACED IMMEDIATELY. ACCUMULATED SEDIMENTS SHOULD BE REMOVED FROM THE FENCE BASE WHEN THE SEDIMENT REACHES ONE-THIRD TO ONE-HALF THE HEIGHT OF THE FENCE. SEDIMENT REMOVAL SHOULD OCCUR MORE FREQUENTLY IF ACCUMULATED SEDIMENT IS CREATING NOTICEABLE STRAIN ON THE FABRIC AND THERE IS THE POSSIBILITY OF THE FENCE FAILING FROM A SUDDEN STORM EVENT. WHEN THE SILT FENCE IS REMOVED, THE ACCUMULATED SEDIMENT SHOULD BE REMOVED.



- INSTALLATION:
1. STAND THE GRATE ON END.
  2. PLACE THE SILT BAG OVER THE GRATE.
  3. ROLL THE GRATE OVER SO THAT THE OPEN END IS UP.
  4. PULL UP THE BAG.
  5. TUCK THE FLAP IN.
  6. PRESS THE VELCRO STRAPS TOGETHER.
  7. BE SURE THAT THE END OF THE GRATE IS COMPLETELY COVERED BY THE FLAP OR THE SILT BAG WILL NOT WORK PROPERLY.
  8. HOLDING THE HANDLES, CAREFULLY PLACE THE SILT BAG WITH THE GRATE INSERTED INTO THE CATCH BASIN FRAME.

MAINTENANCE:

TO ENSURE PROPER OPERATION REMOVE SILT, SEDIMENT, AND DEBRIS FROM THE SURFACE AND THE VICINITY OF THE UNIT WITH A SQUARE POINT SHOVEL OR STIFF BRISTLE BROOM AWAY FROM ENVIRONMENTALLY SENSITIVE AREAS AND WATERWAYS IN MANNER SATISFACTORY TO THE ENGINEER/INSPECTOR. REMOVE FINE MATERIAL FROM INSIDE SILT BAG AS NEEDED. DISPOSE OF SILT BAG NO LONGER IN USE AT AN APPROPRIATE RECYCLING OR SOLID WASTE FACILITY.

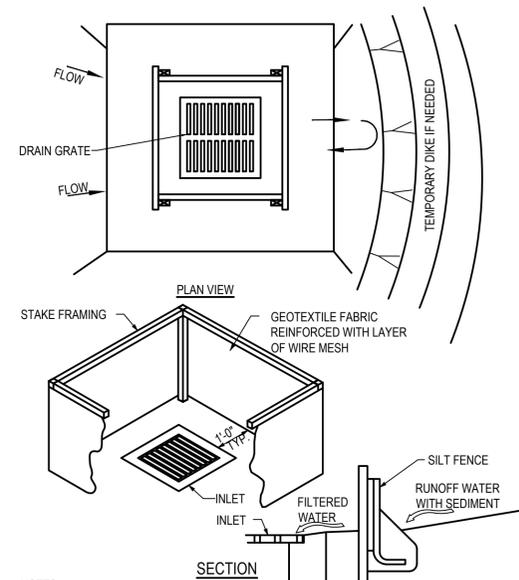
INLET INSPECTION:

TO INSPECT INLET, REMOVE SILT BAG WITH GRATE INSIDE, INSPECT CATCH BASIN AND REPLACE SILT BAG BACK INTO GRATE FRAME.

NOTE:

PONDING IS LIKELY IF SEDIMENT IS NOT REMOVED REGULARLY. THE SILT BAG MUST NEVER BE USED WHERE OVERFLOW MAY ENDANGER AN EXPOSED SLOPE.

**C3 SILT BAG PROTECTION**  
N.T.S.



- NOTES:
1. INLET PROTECTION SHALL BE CONSTRUCTED EITHER BEFORE UPSLOPE LAND DISTURBANCE BEGINS OR BEFORE THE STORM DRAIN BECOMES OPERATIONAL.
  2. SILT FENCE SHALL BE GEOTEXTILE FABRIC, PER STATE'S DEPARTMENT OF TRANSPORTATION STANDARDS, AND SHOULD BE CUT FROM A CONTINUOUS ROLL TO AVOID JOINTS.
  3. STAKES SHALL BE 1" x 2" WOOD (PREFERRED) OR EQUIVALENT METAL WITH A MINIMUM LENGTH OF 3 FEET. STAKES SHALL BE SPACED AROUND THE PERIMETER OF THE INLET A MAXIMUM OF 3 FEET APART AND SECURELY DRIVEN INTO THE GROUND (MINIMUM OF 8 INCHES). THE TOP OF THE FRAME SHALL BE AT LEAST 6 IN. BELOW ADJACENT ROADS IF PONDED WATER WOULD POSE A SAFETY HAZARD TO TRAFFIC.
  4. WIRE MESH SHALL BE OF SUFFICIENT STRENGTH TO SUPPORT FABRIC WITH WATER FULLY IMPOUNDED AGAINST IT. IT SHALL BE STRETCHED TIGHTLY AROUND THE FRAME AND FASTENED SECURELY TO THE FRAME.
  5. THE SILT FENCE SHALL BE STAPLED WITH HEAVY DUTY WIRE STAPLES AT LEAST 1/2 INCH LONG, TO THE WOODEN STAKES, AND 8 INCHES OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH. THE HEIGHT OF THE FILTER BARRIER SHALL BE A MINIMUM OF 15 INCHES AND SHALL NOT EXCEED 18 INCHES (PLATE 1.08B).
  6. THE GEOTEXTILE SHALL OVERLAP ACROSS ONE SIDE OF THE INLET SO THE ENDS OF THE CLOTH ARE NOT FASTENED TO THE SAME POST.
  7. A TRENCH SHALL BE EXCAVATED APPROXIMATELY 4 INCHES WIDE AND 4 INCHES DEEP AROUND THE OUTSIDE PERIMETER OF THE STAKES.
  8. BACKFILL SHALL BE PLACED AROUND THE INLET IN COMPACTED 6 IN. LAYERS UNTIL THE EARTH IS EVEN WITH NOTCH ELEVATION ON ENDS AND TOP ELEVATION ON SIDES.
  9. A COMPACTED EARTH DIKE OR A CHECK DAM SHALL BE CONSTRUCTED IN THE DITCH LINE BELOW THE INLET IF THE INLET IS NOT IN A DEPRESSION AND IF RUNOFF BYPASSING THE INLET WILL NOT FLOW TO A SETTLING POND. THE TOP OF EARTH DIKES SHALL BE AT LEAST 6 IN. HIGHER THAN THE TOP OF THE FRAME.

MAINTENANCE:

SILT FENCE SHOULD BE INSPECTED REGULARLY AND FREQUENTLY AS WELL AS AFTER EACH RAINFALL EVENT TO ENSURE THAT THEY ARE INTACT AND THERE ARE NO GAPS AT THE FENCE-GROUND INTERFACE OR TEARS ALONG THE LENGTH OF THE FENCE. IF GAPS OR TEARS ARE FOUND, THEY SHOULD BE REPAIRED OR THE FABRIC REPLACED IMMEDIATELY. ACCUMULATED SEDIMENTS SHOULD BE REMOVED FROM THE FENCE BASE WHEN THE SEDIMENT REACHES ONE-THIRD TO ONE-HALF THE HEIGHT OF THE FENCE. SEDIMENT REMOVAL SHOULD OCCUR MORE FREQUENTLY IF ACCUMULATED SEDIMENT IS CREATING NOTICEABLE STRAIN ON THE FABRIC AND THERE IS THE POSSIBILITY OF THE FENCE FAILING FROM A SUDDEN STORM EVENT. WHEN THE SILT FENCE IS REMOVED, THE ACCUMULATED SEDIMENT SHOULD BE REMOVED.

CRITERIA FOR GEOTEXTILE FABRIC SILT FENCE, PER CURRENT STATE'S DOT SPECIFICATIONS.

FABRIC PROPERTIES	VALUES	TEST METHOD
MINIMUM TENSILE STRENGTH	120 LB. MINIMUM	ASTM D 4632
MINIMUM BURST STRENGTH	200 PSI MINIMUM	
MINIMUM PERMITTIVITY	1x10 <sup>-2</sup> sec <sup>-1</sup>	ASTM D 4491
APPARENT OPENING SIZE	AOS < 0.84 mm	ASTM D 4751
UV EXPOSURE STRENGTH RETENTION	70%	ASTM D 4335
MAXIMUM ELONGATION AT 60 LBS.	50%	ASTM D 4632
MINIMUM PUNCTURE STRENGTH	50 LBS (220N)	ASTM D 4833
MINIMUM TEAR STRENGTH	40 LBS (180N)	ASTM D 4533

**A5 SILT FENCE**  
N.T.S.

COMPOST SOCK FABRIC MINIMUM SPECIFICATIONS

MATERIAL TYPE	3 mil HDPE	5 mil HDPE	5 mil HDPE	MULTI-FILAMENT POLYPROPYLENE (MFPP)	HEAVY DUTY MULTI-FILAMENT POLYPROPYLENE (MFPP)
MATERIAL CHARACTERISTICS	PHOTO-DEGRADABLE	PHOTO-DEGRADABLE	BIO-DEGRADABLE	PHOTO-DEGRADABLE	PHOTO-DEGRADABLE
SOCK DIAMETERS	12" 18"	12" 18" 24"	12" 18" 24"	12" 18" 24"	12" 18" 24"
MESH OPENING	3/8"	3/8"	3/8"	3/8"	1/8"
TENSILE STRENGTH		26 PSI	26 PSI	44 PSI	202 PSI
ULTRAVIOLET STABILITY % ORIGINAL STRENGTH (ASTM G-155)	% AT 1000 HR.	23% AT 1000 HR.		100% AT 1000 HR.	100% AT 1000 HR.
MINIMUM FUNCTIONAL LONGEVITY	6 MONTHS	9 MONTHS	6 MONTHS	1 YEAR	2 YEARS

TWO-PLY SYSTEMS

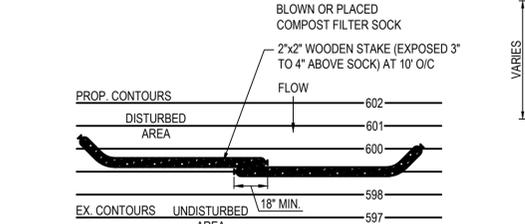
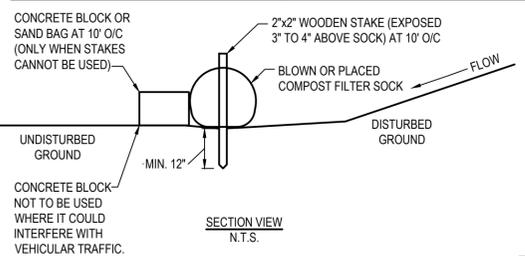
INNER CONTAINMENT NETTING: HDPE BIAXIAL NET CONTINUOUSLY WOUND FUSION-WELDED JUNCTURES 3/4" X 3/4" MAX. APERTURE SIZE

OUTER FILTRATION MESH: COMPOSITE POLYPROPYLENE FABRIC (WOVEN LAYER & NON-WOVEN FLEECE MECHANICALLY FUSED VIA NEEDLE PUNCH) 3/16" MAX. APERTURE SIZE

SOCK FABRICS COMPOSED OF BURLAP MAY BE USED ON PROJECTS LASTING 6 MONTHS OR LESS

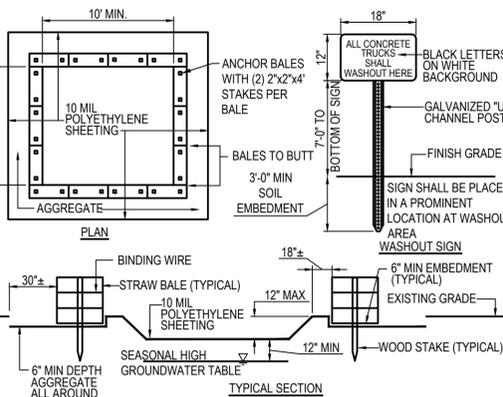
COMPOST SHALL MEET THE FOLLOWING STANDARDS:

ORGANIC MATTER CONTENT	80% - 100% (DRY WEIGHT BASIS)
ORGANIC PORTION	FIBROUS AND ELONGATED
pH	5.5 - 8.0
MOISTURE CONTENT	35% - 55%
PARTICLE SIZE	98% PASS THROUGH 1" SCREEN
SOLUBLE SALT CONCENTRATION	5.0 gS MAXIMUM



1. COMPOST FILTER SOCK SHALL BE PLACED AT EXISTING LEVEL GRADE. BOTH ENDS OF THE SOCK SHALL BE EXTENDED AT LEAST 8 FEET UP SLOPE AT 45 DEGREES TO THE MAIN SOCK ALIGNMENT.
2. TRAFFIC SHALL NOT BE PERMITTED TO CROSS FILTER SOCKS.
3. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES 1/2 THE ABOVE GROUND HEIGHT OF THE SOCK AND DISPOSED IN THE MANNER DESCRIBED ELSEWHERE IN THE PLAN.
4. SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH 1/2 INCH STORM RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF INSPECTION.
5. BIODEGRADABLE FILTER SOCK SHALL BE REPLACED AFTER 6 MONTHS; PHOTODEGRADABLE SOCKS AFTER 1 YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
6. UPON STABILIZATION OF THE AREA TRIBUTARY TO THE SOCK, STAKES SHALL BE REMOVED. THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED. IN THE LATTER CASE, THE MESH SHALL BE CUT OPEN AND THE MULCH SPREAD AS A SOIL SUPPLEMENT.

**A2 COMPOST FILTER SOCK**  
N.T.S.

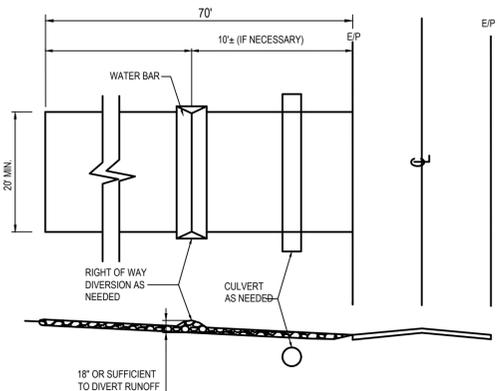


- NOTES:
1. CONTAINMENT MUST BE STRUCTURALLY SOUND AND LEAK FREE AND CONTAIN ALL LIQUID WASTES.
  2. CONTAINMENT DEVICES MUST BE OF SUFFICIENT QUANTITY OR VOLUME TO COMPLETELY CONTAIN THE LIQUID WASTES GENERATED.
  3. WASHOUT MUST BE CLEANED OR NEW FACILITIES CONSTRUCTED AND READY TO USE ONCE WASHOUT IS 75% FULL.
  4. WASHOUT AREA(S) SHALL BE INSTALLED IN A LOCATION EASILY ACCESSIBLE BY CONCRETE TRUCKS.
  5. ONE OR MORE AREAS MAY BE INSTALLED ON THE CONSTRUCTION SITE AND MAY BE RELOCATED AS CONSTRUCTION PROGRESSES.
  6. AT LEAST WEEKLY REMOVE ACCUMULATION OF SAND AND AGGREGATE AND DISPOSE OF PROPERLY.

**A3 CONCRETE WASHOUT AREA**  
N.T.S.

**CONSTRUCTION ENTRANCE NOTES**

1. STONE SIZE - NO. 2 STONE SHALL BE USED, OR RECYCLED CONCRETE EQUIVALENT.
2. THE CONSTRUCTION ENTRANCE SHALL COINCIDE WITH THE PROPOSED DRIVE AS SHOWN ON THE PLAN.
3. PAVEMENT THICKNESS - STONE LAYER SHALL BE 6" THICK FOR STANDARD DUTY ACTIVITY AND 10" THICK FOR HEAVY DUTY ACTIVITY.
4. DRIVEWAY WIDTH - THE ENTRANCE SHALL BE AT LEAST 20' WIDE. CONTRACTOR SHALL ENSURE ALL VEHICLES UTILIZE THE CONSTRUCTION ENTRANCE UNTIL PAVEMENT IS IN PLACE.
5. BEDDING-A GEOTEXTILE SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING STONE. IT SHALL BE COMPOSED OF STRONG ROT-PROOF POLYMERIC FIBERS AND MEET THE SPECIFICATIONS SHOWN BELOW.
6. CULVERT-A PIPE OR CULVERT SHALL BE CONSTRUCTED UNDER THE ENTRANCE IF NEEDED TO PREVENT SURFACE WATER FLOWING ACROSS THE ENTRANCE OR TO PREVENT RUNOFF FROM BEING DIRECTED OUT ONTO PAVED SURFACES.
7. WATER BAR - A WATER BAR SHALL BE CONSTRUCTED AS PART OF THE CONSTRUCTION ENTRANCE IF NEEDED TO PREVENT SURFACE RUNOFF FROM FLOWING THE LENGTH OF THE CONSTRUCTION ENTRANCE AND OUT ONTO PAVED SURFACES.
8. MAINTENANCE - TOP DRESSING OF ADDITIONAL STONE SHALL BE APPLIED AS CONDITIONS DEMAND. MUD SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC ROADS, OR ANY SURFACE WHERE RUNOFF IS NOT CHECKED BY SEDIMENT CONTROLS, SHALL BE REMOVED IMMEDIATELY. REMOVAL SHALL BE ACCOMPLISHED BY SCRAPING OR SWEEPING.
9. CONSTRUCTION ENTRANCES SHALL NOT BE RELIED UPON TO REMOVE MUD FROM VEHICLES AND PREVENT OFF SITE TRACKING. VEHICLES THAT ENTER AND LEAVE THE CONSTRUCTION SHALL BE RESTRICTED FROM MUDDY AREAS.
10. THE ENTRANCE SHALL REMAIN IN PLACE UNTIL THE DISTURBED AREA IS STABILIZED OR REPLACED WITH A PERMANENT ROADWAY OR ENTRANCE.



**A1 TEMPORARY STABILIZED CONSTRUCTION ENTRANCE**  
N.T.S.

DATE	REMARKS

CONTRACT DATE:  
BUILDING TYPE: END-20  
PLAN VERSION:  
BRAND DESIGNER:  
SITE NUMBER: 317219  
STORE NUMBER: 463810  
PA/PM: EA  
DRAWN BY.: EH  
JOB NO.: 2024088.09

**TACO BELL**  
5917 W BROADWAY  
MCCORDSVILLE, IN 46055



SWPP DETAILS

**C-011**

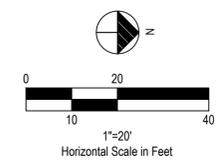
PLOT DATE:

**LEGEND**

(SEE SHEET C-001 FOR GENERAL LEGEND)

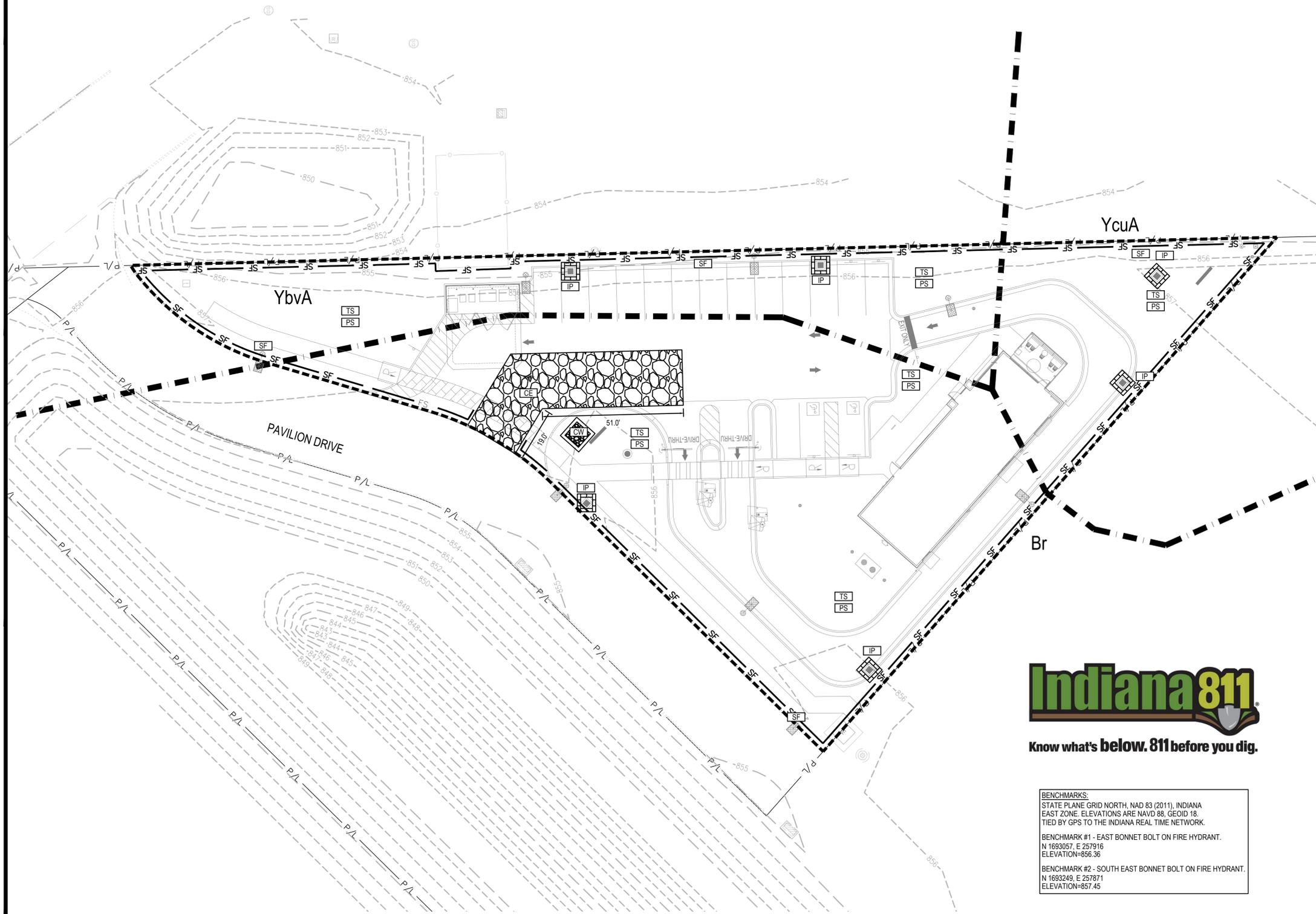
-  PROPOSED SILT BARRIER  
REFER TO SWPP DETAILS
-  PROPOSED SILT FENCE  
REFER TO SWPP DETAILS
-  PROPOSED CONSTRUCTION ENTRANCE  
REFER TO SWPP DETAILS
-  PROPOSED CONCRETE WASHOUT  
FACILITY REFER TO SWPP DETAILS
-  PROPOSED LIMITS OF  
DISTURBANCE
-  EXISTING SOIL BOUNDARY
-  PROPOSED FILTER SOCK  
REFER TO SWPP DETAILS

BM #2



**SWPP KEYNOTES**

-  TS TEMPORARY SEEDING
-  PS PERMANENT LAWN (SEE  
LANDSCAPE PLANS)
-  CW CONCRETE WASHOUT AREA
-  SF SILT FENCE
-  CE CONSTRUCTION ENTRANCE
-  IP INLET PROTECTION



**CONSTRUCTION SEQUENCE**

1. DURING PRECONSTRUCTION MEETING ALL EROSION & SEDIMENT CONTROL FACILITIES & PROCEDURES SHALL BE DISCUSSED. A GENERAL CONSTRUCTION SEQUENCE FOLLOWS AND MAY NEED TO BE UPDATED BY THE CONTRACTOR TO SUIT THE SPECIFICS OF THE SITE AND INTENDED CONTRACTOR SPECIFIC SEQUENCING.
- 1.1. INSTALL CONSTRUCTION ENTRANCE AS DETAILED ON PLANS.
- 1.2. STAKE AND/OR FLAG LIMITS OF CLEARING.
- 1.3. CLEAR & GRUB, AS NECESSARY, FOR INSTALLATION OF PERIMETER CONTROLS. INSTALL SILT PERIMETER CONTROLS AS SHOWN ON PLANS. SILT PERIMETER CONTROLS SHALL BE INSTALLED LEVEL, ALONG THE CONTOURS, WITH ENDS TURNED UP/SLOPE TO PREVENT CONCENTRATED FLOW AT THE SILT PERIMETER CONTROLS.
- 1.4. INSTALL TEMPORARY SILT INLET PROTECTION ON ALL EXISTING CATCH BASINS AND INLETS, AS DESIGNATED IN THE PLANS. REMOVAL OF SILT INLET PROTECTION FROM DESIGNATED INLETS CAN ONLY OCCUR WHEN A STRUCTURE IS REMOVED, AND AS REQUIRED BY THE PROGRESSION OF THE DEMOLITION AND CONSTRUCTION.
- 1.5. CLEAR & GRUB, AS NECESSARY, FOR INSTALLATION OF TEMPORARY SEDIMENT TRAP/BASIN. INSTALL TEMPORARY SEDIMENT TRAP/BASIN, IF REQUIRED, AS DETAILED IN THE PLANS. CONSTRUCT AND MAINTAIN TEMPORARY DIVERSION SWALE AND / OR DIVERSION BERM DURING FILLING & GRADING ACTIVITIES.
- 1.6. CLEAR & GRUB THE REMAINING SITE AS NECESSARY. TOPSOIL SHALL BE STRIPPED AND STOCKPILED ON SITE FOR REUSE, OR REMOVED TO AN APPROVED OFFSITE SPOIL AREA.
- 1.7. UTILIZE DUST CONTROL MEASURES AS REQUIRED TO MINIMIZE AIR-BORNE POLLUTION BY METHODS APPROVED BY THE AUTHORIZING EPA OFFICE.
- 1.8. BEGIN FILLING & GRADING AS REQUIRED TO REACH SUBGRADE.
- 1.9. ONCE PAVEMENT GRADES HAVE BEEN ESTABLISHED, AS DESIGNATED ON THE PLANS, THE CONTRACTOR SHALL UTILIZE THESE AREAS FOR STRUCTURE CONSTRUCTION. CONSTRUCT UNDERGROUND UTILITY WORK INCLUDING STORM DRAINAGE FACILITIES. UPON INSTALLATION OF STORM DRAINAGE CATCH BASINS, YARD DRAINS AND INLETS, INSTALL REQUIRED INLET PROTECTION.
- 1.10. DO NOT REPLACE ANY TOPSOIL. SEED OR INSTALL FINAL PAVEMENT PRIOR TO COMPLETION OF BUILDING SHELL. SHOULD SITEWORK BE COMPLETED PRIOR TO THIS DATE, MULCH DISTURBED AREAS TO BE PLANTED AND INSTALL STONE SUBBASE IN DISTURBED AREAS TO BE PAVED.
- 1.11. FOLLOWING COMPLETION OF BUILDING SHELL AND PAVEMENT INSTALLATION, BEGIN LANDSCAPE INSTALLATION.
- 1.12. COMPLETE SITEWORK, PAVEMENT MARKINGS AND FINAL CLEAN-UP. RESEED ANY AREAS THAT MAY REQUIRE ATTENTION IMMEDIATELY. NOTE THAT LAWN AREAS WILL NOT BE DEEMED STABLE UNTIL A MINIMUM 80% VEGETATIVE DENSITY HAS BEEN ACHIEVED.
- 1.13. MAINTAIN EROSION & SEDIMENTATION CONTROL MEASURES UNTIL THE SITE HAS BEEN COMPLETELY STABILIZED. ALL AREAS OF VEGETATIVE SURFACE, WHETHER PERMANENT OR TEMPORARY, SHALL BE CONSIDERED TO BE IN PLACE AND FUNCTIONAL WHEN THE REQUIRED UNIFORM RATE OF COVERAGE (80%) IS OBTAINED.
- 1.14. REMOVE SEDIMENT CONTROLS.

**PROJECT DESCRIPTION**

THE PROJECT SITE IS A 1.03 ACRE PARCEL. A NEW TACO BELL RESTAURANT WITH A DRIVE-THRU, NEW PARKING LOT, CONCRETE SIDEWALKS, ALL APPURTENANT UTILITY CONNECTIONS, AND LANDSCAPING IS PROPOSED. THE EXISTING LAND IS A VACANT LOT. THE SITE IS SURROUNDED BY W BROADWAY TO THE NORTH, MCCORDS SQUARE PAVILION DEVELOPMENT TO THE EAST AND SOUTH, AND STAR FINANCIAL BANK TO THE WEST.

**PROJECT COMPLETION STATISTICS**

PARCEL SIZE:	1.03 ACRES
TOTAL DISTURBED AREA:	0.79 ACRES
EXISTING LAND USE FOR THE SITE IS VACANT LOT.	
ESTIMATED PRE-CONSTRUCTION IMPERVIOUS AREA:	0.23 ACRES
ESTIMATED PRE-CONSTRUCTION IMPERVIOUS PERCENT:	22%
PRE-CONSTRUCTION RUN-OFF COEFFICIENT:	0.45
PROPOSED LAND USE WILL BE FAST FOOD DRIVE THRU.	
ESTIMATED POST-CONSTRUCTION IMPERVIOUS AREA:	0.72 ACRES
ESTIMATED POST-CONSTRUCTION IMPERVIOUS PERCENT:	70%
POST-CONSTRUCTION RUN-OFF COEFFICIENT:	0.75

**PROJECT LOCATION:**

LATITUDE: 39.8969° LONGITUDE: -85.9161°

**EXISTING SITE SOIL TYPES:**

- Br: BROOKSTON SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES.
- Ybva: BROOKSTON SILTY CLAY LOAM-URBAN LAND COMPLEX, 0 TO 2 PERCENT SLOPES.
- YcuA: CROSBY SILT LOAM-URBAN LAND COMPLEX, 0 TO 2 PERCENT SLOPES.
- REFERENCE: USDA NATIONAL RESOURCES CONSERVATION SERVICE WEB SOIL SURVEY.

**WETLAND INFORMATION:**

THERE ARE NO KNOWN WETLANDS ON THIS SITE.

**FIRST AND SUBSEQUENT RECEIVING STREAM:**

INITIAL RECEIVING WATER IS MCCORDSVILLE DEVELOPMENT EXISTING WET POND AND THE SUBSEQUENT RECEIVING WATER IS THE LOWER FALL CREEK WATERSHED.

**POST CONSTRUCTION WQV / BMP DESCRIPTION:**

WATER QUANTITY WILL NOT BE A PART OF THIS PROJECT. THE PROPOSED TACO BELL WILL CONNECT TO THE MCCORDS SQUARE PAVILION DEVELOPMENT EXISTING WET POND LOCATED SOUTH OF THE PROPOSED TACO BELL SITE.

AN ADS BARRACUDA UNIT WILL BE PROVIDED TO SATISFY TOWN OF MCCORDSVILLE WATER QUALITY STANDARDS AND SHALL WORK IN TANDEM WITH THE WET POND TO PROVIDE A TREATMENT TRAIN FOR THE PROPOSED DEVELOPMENT.

**OWNER CONTACT:**

TACO BELL OF AMERICA, LLC  
 SPENCER COLLINS  
 DIRECTOR OF CONSTRUCTION  
 1 GLEN BELL WAY  
 IRVINE, CA 92618  
 P: (818) 919-2942

**ANTICIPATED TIMING:**

CONSTRUCTION BEGIN: \_\_\_\_\_  
 CONSTRUCTION COMPLETE: \_\_\_\_\_

**CONTRACTOR: T.B.D.**

CONTACT: \_\_\_\_\_  
 PHONE NUMBER: \_\_\_\_\_

CONTRACTOR SHALL MAINTAIN A CONSTRUCTION LOG DOCUMENTING ALL GRADING AND STABILIZATION ACTIVITIES.

LEONARDO A. SFERRA  
 REGISTERED  
 No. 11600134  
 STATE OF INDIANA  
 PROFESSIONAL ENGINEER  
 12/13/24

DATE	REMARKS

CONTRACT DATE: \_\_\_\_\_  
 BUILDING TYPE: END-20  
 PLAN VERSION: \_\_\_\_\_  
 BRAND DESIGNER: \_\_\_\_\_  
 SITE NUMBER: 317219  
 STORE NUMBER: 463810  
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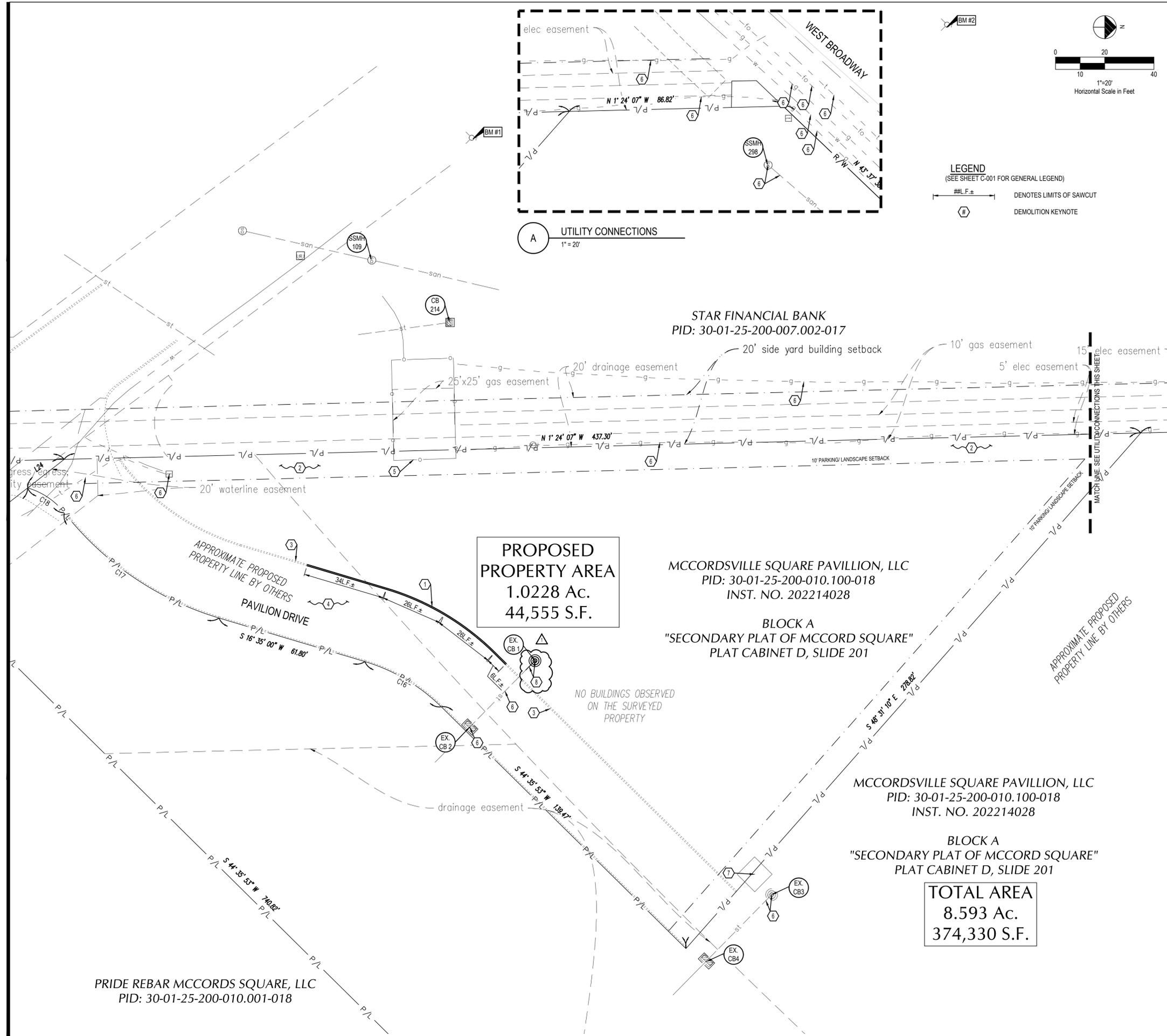
SWPP PLAN

**C-012**

PLANT DATE: \_\_\_\_\_



**BENCHMARKS:**  
 STATE PLANE GRID NORTH, NAD 83 (2011), INDIANA EAST ZONE. ELEVATIONS ARE NAVD 88, GEOID 18. TIED BY GPS TO THE INDIANA REAL TIME NETWORK.  
 BENCHMARK #1 - EAST BONNET BOLT ON FIRE HYDRANT.  
 N 1693057, E 257916  
 ELEVATION=856.36  
 BENCHMARK #2 - SOUTH EAST BONNET BOLT ON FIRE HYDRANT.  
 N 1693249, E 257871  
 ELEVATION=857.45



**PLAN KEYNOTES (K)**

1. EXISTING CURB TO BE REMOVED. REPAIR ANY DAMAGED ADJACENT ASPHALT.
2. EXISTING PERIMETER LANDSCAPING. CLEAR AS NEEDED FOR CONSTRUCTION AND PROPOSED LANDSCAPING.
3. EXISTING CURB TO REMAIN AND BE PROTECTED THROUGHOUT CONSTRUCTION.
4. EXISTING PAVEMENT TO REMAIN AND BE PROTECTED THROUGHOUT CONSTRUCTION.
5. EXISTING FENCE TO REMAIN AND BE PROTECTED THROUGHOUT CONSTRUCTION.
6. EXISTING UTILITIES TO REMAIN AND BE PROTECTED THROUGHOUT CONSTRUCTION.
7. EXISTING ELECTRICAL TRANSFORMER PAD TO REMAIN AND BE PROTECTED THROUGHOUT CONSTRUCTION.
8. EXISTING UTILITIES TO BE REMOVED.

**DEMOLITION NOTE:**

ALL EXISTING SITE AND SURROUNDING FEATURES SUCH AS UTILITIES, PAVEMENT, CURB, LANDSCAPING, ETC. SHALL REMAIN AND BE PROTECTED THROUGHOUT CONSTRUCTION UNLESS NOTED OTHERWISE, OR ARE REQUIRED TO BE MODIFIED OR REMOVED FOR THE INSTALLATION OF PROPOSED IMPROVEMENTS. ALL DISTURBED FEATURES SHALL BE RESTORED OR RELOCATED AS REQUIRED TO THE SATISFACTION OF THE OWNER. CONTRACTOR SHALL REPAIR/REPLACE ANY SURROUNDING FEATURES DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES AT NO ADDITIONAL COST AND TO THE SATISFACTION OF THE OWNER.

NOTE:  
EXISTING CONDITIONS WERE DETERMINED USING BOTH SURVEY DATA AND DEVELOPER PLANS. CONTRACTOR SHALL CONFIRM EXISTING CONDITIONS PRIOR TO CONSTRUCTION (DEVELOPER DRIVE, STORM SEWERS, SANITARY MANHOLES, TRANSFORMER, ECT.)

EXISTING STRUCTURES	
STRICT. ID	STRUCTURE DETAILS
SSMH 109	EXISTING SANITARY SEWER MANHOLE RIM=854.34 INV. 8" PVC (SW)=845.34 *CHANNEL NO PIPE (NE)
SSMH 298	EXISTING STORM SEWER MANHOLE RIM=855.98 INV. 8" PVC (NE)=848.48 *CHANNEL NO PIPE (SW)
CB 214	EXISTING STORM SEWER CATCH BASIN RIM=853.59 INV. 12" PVC (SW)=849.99
EX. CB 1	EXISTING STORM SEWER CATCH BASIN *FROM DEVELOPER PLANS RIM=855.85 INV. 15" RCP (SE)=850.70
EX. CB 2	EXISTING STORM SEWER CATCH BASIN *FROM DEVELOPER PLANS RIM=854.75 INV. 15" RCP (NW,SE)=850.58
EX. CB 3	EXISTING STORM SEWER CATCH BASIN *FROM DEVELOPER PLANS RIM=855.78 INV. 21" RCP (SE)=850.69



DATE	REMARKS
12.05.24	DEVT. COMMENTS

CONTRACT DATE:  
BUILDING TYPE: END-20  
PLAN VERSION:  
BRAND DESIGNER:  
SITE NUMBER: 317219  
STORE NUMBER: 463810  
PA/PM: EA  
DRAWN BY: EH  
JOB NO.: 2024088.09

TACO BELL  
5917 W BROADWAY  
MCCORDSVILLE, IN 46055



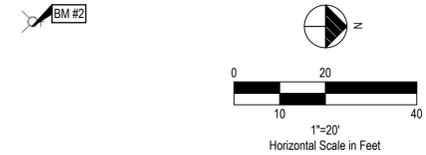
**BENCHMARKS:**  
STATE PLANE GRID NORTH, NAD 83 (2011), INDIANA EAST ZONE. ELEVATIONS ARE NAVD 88, GEOID 18. TIED BY GPS TO THE INDIANA REAL TIME NETWORK.  
BENCHMARK #1 - EAST BONNET BOLT ON FIRE HYDRANT.  
N 1693057, E 257916  
ELEVATION=856.36  
BENCHMARK #2 - SOUTH EAST BONNET BOLT ON FIRE HYDRANT.  
N 1693249, E 257871  
ELEVATION=857.45

**DEMOLITION PLAN**

**C-101**

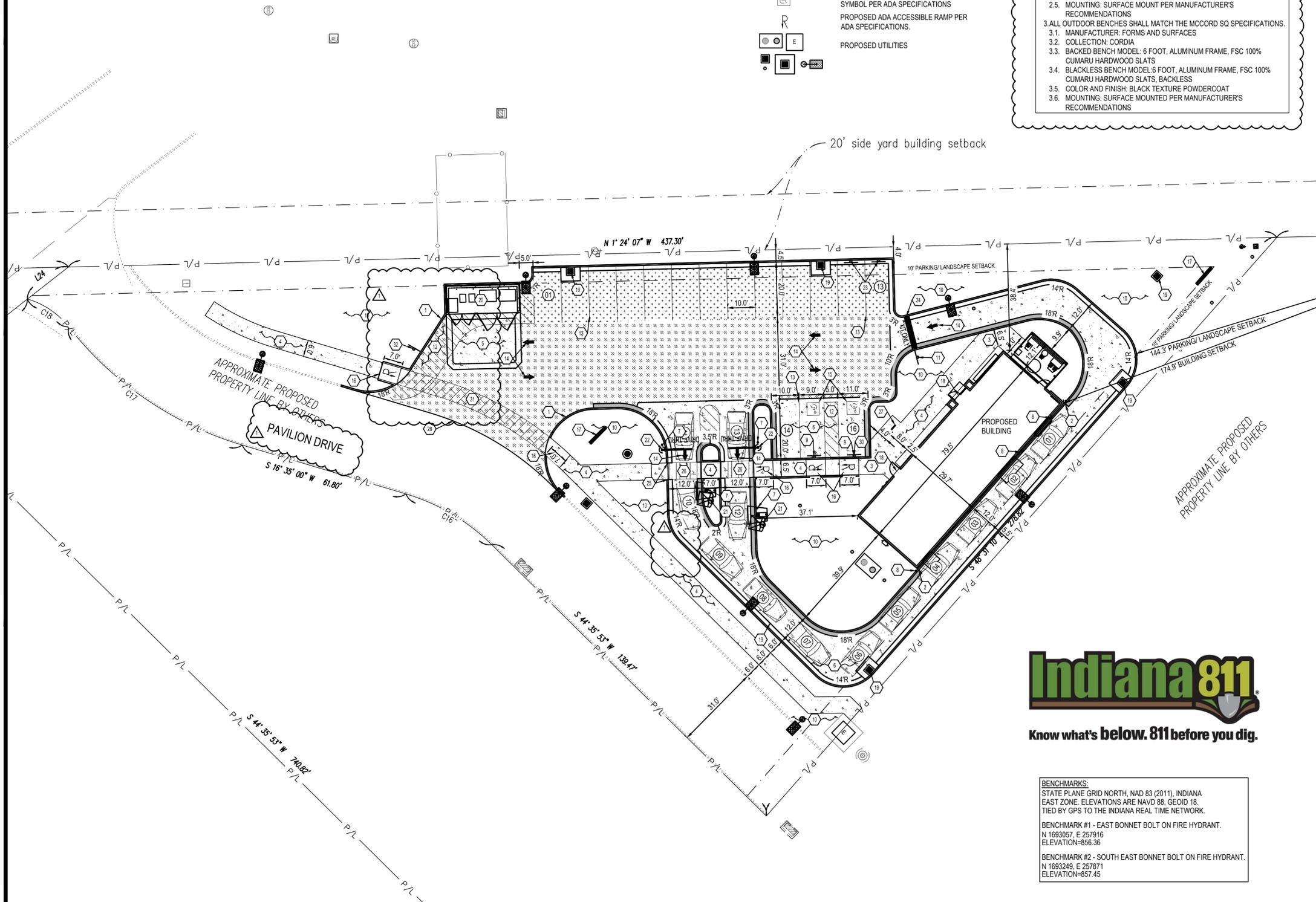
PLOT DATE:

- LEGEND**  
(SEE SHEET C-001 FOR GENERAL LEGEND)
- PROPOSED STANDARD DUTY ASPHALT PER ASPHALT PAVEMENT TABLE THIS SHEET AND SHEET C-501.
  - PROPOSED HEAVY DUTY ASPHALT PER ASPHALT PAVEMENT TABLE THIS SHEET AND SHEET C-501.
  - PROPOSED CONCRETE
  - CONSTRUCTION KEYNOTE
  - PROPOSED PARKING SPACE NUMBER
  - PROPOSED DRIVE THRU STACK CAR AND NUMBER
  - REVERSED PITCH CURB AND GUTTER
  - PROPOSED DIRECTIONAL PAVEMENT MARKINGS: WHITE ON ASPHALT, YELLOW ON CONCRETE, BLUE FOR ADA
  - PROPOSED PAINTED INTERNATIONAL ADA SYMBOL PER ADA SPECIFICATIONS
  - PROPOSED ADA ACCESSIBLE RAMP PER ADA SPECIFICATIONS.
  - PROPOSED UTILITIES



- GENERAL NOTES:**
- ALL SITE BOLLARDS TO BE BLACK UNLESS REQUIRED DIFFERENTLY BY CITY OF MCCORDSVILLE OR ADA REQUIREMENTS.
  - ALL OUTDOOR TRASH CANS SHALL MATCH THE MCCORD SQ SPECIFICATIONS.
    - MANUFACTURER: ANOVA
    - COLLECTION: EXPOSITION
    - MODEL: 45 GALLON TRASH RECEPTACLE, SIDE DOOR
    - COLOR AND FINISH: TEXTURED BLACK
    - MOUNTING: SURFACE MOUNT PER MANUFACTURER'S RECOMMENDATIONS
  - ALL OUTDOOR BENCHES SHALL MATCH THE MCCORD SQ SPECIFICATIONS.
    - MANUFACTURER: FORMS AND SURFACES
    - COLLECTION: CORDIA
    - BACKED BENCH MODEL: 6 FOOT, ALUMINUM FRAME, FSC 100% CUMARU HARDWOOD SLATS
    - BLACKLESS BENCH MODEL: 6 FOOT, ALUMINUM FRAME, FSC 100% CUMARU HARDWOOD SLATS, BACKLESS
    - COLOR AND FINISH: BLACK TEXTURE POWDERCOAT
    - MOUNTING: SURFACE MOUNTED PER MANUFACTURER'S RECOMMENDATIONS

- PLAN KEYNOTES (#)**
- PROPOSED CONCRETE CURB. SEE SHEET C-501.
  - PROPOSED CONCRETE CURB AT DRIVE THRU. SEE SHEET C-501.
  - PROPOSED CONCRETE CURBED WALK. SEE SHEET C-501.
  - PROPOSED CONCRETE WALK. SEE SHEET C-501.
  - PROPOSED 6" P.C.C. PAVEMENT W/ W.W.F. 6" x 6" W2.9 x W2.9 (CONTROL JTS. 12'-0" O.C.) OVER 6" CRUSHED AGGREGATE OR GRAVEL BASE. APPLY LIQUID ASPHALT AT ALL JOINTS BETWEEN CONCRETE AND ASPHALT.
  - PROPOSED 5" P.C.C. PAVEMENT W/ W.W.F. 6" x 6" W2.9 x W2.9 (CONTROL JTS. 12'-0" O.C.) OVER 6" CRUSHED AGGREGATE OR GRAVEL BASE. APPLY LIQUID ASPHALT AT ALL JOINTS BETWEEN CONCRETE AND ASPHALT.
  - PROPOSED DETERRENT BOLLARD. SEE SHEET C-501.
  - PROPOSED DETERRENT BOLLARD IN CURB. SEE SHEET C-503.
  - PROPOSED HANDICAPPED PARKING SIGN. SEE SHEET C-501.
  - PROPOSED LANDSCAPING AREA. SOD ALL DISTURBED AREAS EXCEPT WHERE PLANTING BEDS ARE INDICATED. SEE LANDSCAPING PLANS FOR DETAILS.
  - PROPOSED "DO NOT ENTER" PER INDOT STANDARDS. SEE SHEET C-501.
  - PROPOSED PAINTED TRANSVERSE STRIPING. SEE SHEET C-501.
  - PROPOSED PAINTED 4" WIDE SOLID STRIPE - WHITE ON ASPHALT, YELLOW ON CONCRETE.
  - PROPOSED DIRECTIONAL PAVEMENT MARKINGS - WHITE ON ASPHALT, YELLOW ON CONCRETE. BLUE FOR ADA. SEE SHEET C-501.
  - PROPOSED PAINTED ADA PAVEMENT SYMBOL PER ADA SPECIFICATIONS. SEE SHEET C-501.
  - PROPOSED ADA ACCESSIBLE RAMP PER ADA SPECIFICATIONS. ALL DETECTABLE WARNING PLATES SHALL BE BLACK. SEE SHEET C-502.
  - PROPOSED ADA COMPLIANT SIGN PER SIGN SUPPLIER SPECIFICATIONS.
  - PROPOSED FROST SLAB AT DOOR. SEE STRUCTURAL DRAWINGS FOR DETAILS.
  - PROPOSED CATCH BASIN PER INDOT SPECIFICATIONS. SEE SHEET C-503.
  - PROPOSED DUMPSTER ENCLOSURE ON P.C.C. PAD. REFER TO ARCHITECTURAL PLANS FOR MORE INFORMATION.
  - PROPOSED MENU BOARD, CANOPY, TRAFFIC LOOP, AND SPEAKER POST PER SIGN SUPPLIER SPECIFICATIONS. SIGN SUPPLIER TO PROVIDE A TEMPLATE FOR G.C. TO COORDINATE A MEETING WITH THE CONSTRUCTION/PROJECT MANAGER AND OPERATIONS TO VERIFY LOCATION AND PLACEMENT OF MENU BOARD, CANOPY, AND SPEAKER POST PRIOR TO ANY CONSTRUCTION. SIGN SUPPLIER SHALL PROVIDE G.C. WITH FOUNDATION DETAILS. G.C. RESPONSIBLE FOR SIGN FOUNDATIONS/ELECTRICAL. SEE SHEET C-502 FOR DETAILS.
  - PROPOSED EVOLUTION PORTAL CLEARANCE BAR. SEE SHEET C-502 FOR DETAILS.
  - PROPOSED MOBILE ORDER PICK-UP SIGN. CONTRACTOR TO INSTALL SIGN POST AND BOLLARD PER THE HANDICAP SIGN DETAIL. SIGN TO BE PROVIDED BY SIGN VENDOR.
  - PROPOSED 24" STOP LINE AND "EXIT ONLY" PAVEMENT MARKINGS PER INDOT SPECIFICATIONS.
  - PROPOSED CURB TAPER. SEE SHEET C-501.
  - PROPOSED CROSSWALK STRIPING. SEE SHEET C-501.
  - PROPOSED BIKE RACK (PARKING FOR TWO BIKES) PER MCCORD SQ SPECIFICATION.
    - MANUFACTURER: FORMS AND SURFACES
    - COLLECTION: CORDIA
    - MODEL: SKCOR
    - COLOR AND FINISH: BLACK TEXTURE POWDERCOAT
    - MOUNTING: SURFACE MOUNTED PER MANUFACTURER'S RECOMMENDATIONS
  - PROPOSED BUTY JOINT. SEE SHEET C-501.
  - NOT USED
  - PROPOSED VAN ACCESSIBLE SPACE
  - PROPOSED DECORATIVE CROSSWALK PER MCCORD SQ SPECIFICATION. PATTERN TO BE STANDARD HERRINGBONE WITH SQUARE BORDER IN HERITAGE RED.
  - STOP SIGN PER MCCORD SQ SPECIFICATIONS.
    - MANUFACTURER: SIGNATURE STREETSCAPES
    - TYPE: PRINTED ALUMINUM STREET SIGN - LOGO ADDED TO END OF BLADE SIGN AND STOP SIGN WITH BLACK FRAME
    - SIZE: 36" X 9"
    - SHAPE: CLASSIC
    - BACKGROUND COLOR: BLACK RAISED AREAS WITH WHITE BACKGROUND
    - FONT TYPE: KABEL DEMI
    - POST: 3" ROUND POST
    - CAP: ACORN TOPPER
    - BASE: MINI AMERICANA CAST ALUMINUM BASE
    - COMPLETE STREET SIGN ASSEMBLY



- BENCHMARKS:**
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  - BENCHMARK #1 - EAST BONNET BOLT ON FIRE HYDRANT. N 1693057, E 257916 ELEVATION=856.36
  - BENCHMARK #2 - SOUTH EAST BONNET BOLT ON FIRE HYDRANT. N 1693249, E 257871 ELEVATION=857.45

**ASPHALT PAVEMENT**

MATERIAL	DEPTH (HVV. DUTY)	DEPTH (STD. DUTY)	INDOT SPECIFICATIONS ITEM
A.C. SURFACE COURSE	1.5"	1.5"	HMA 9.5 MM SURFACE COURSE INDOT 602-3.02(01)
A.C. INTERMEDIATE COURSE	3"	2.5"	HMA 19 MM BINDER COURSE INDOT 602-3.02(02)
AGG. BASE COURSE	6"	6"	INDOT 602-3.02(03)- #53'S
SUBGRADE COMPACTION	PER SOILS REPORT	PER SOILS REPORT	PER SOILS REPORT

	BUILDING SETBACKS		PARKING SPACES	
	REQUIRED	PROVIDED	REQUIRED	PROVIDED
FRONT: W. BROADWAY	50 LF	174.9 LF	NUMBER OF SPACES	11
REAR: ACCESS DR.	N/A	100.9 LF	PARKING REQUIREMENTS	16
SIDE: NORTH EAST	10 LF	18 LF	1 PER EVERY 3 SEATS (32 SEATS TOTAL)	
SIDE: WEST	10 LF	38.4 LF	THEREFORE: 11(3+ 32) = 11 SPACES REQUIRED.	

	PARKING/ LANDSCAPE SETBACKS		LAND USE DATA	
	REQUIRED	PROVIDED	% OF SITE AREA	AREA PROVIDED
FRONT: W. BROADWAY	20 LF	144.3 LF		
REAR: ACCESS DR.	N/A	N/A		
SIDE: NORTH EAST	10 LF	5 LF	BUILDING	5.8%
SIDE: WEST	10 LF	4FT	PAVEMENT/IMPERVIOUS LANDSCAPING	64.1%
			TOTAL	30.1%
				0.31 AC.
				1.03 AC.

CURRENT ZONING: PUD  
PLANNED DEVELOPMENT



DATE	REMARKS
12.05.24	DEVT. COMMENTS

CONTRACT DATE: END-20  
 BUILDING TYPE: END-20  
 PLAN VERSION:  
 BRAND DESIGNER:  
 SITE NUMBER: 317219  
 STORE NUMBER: 463810  
 PA/PM: EA  
 DRAWN BY.: EH  
 JOB NO.: 2024088.09

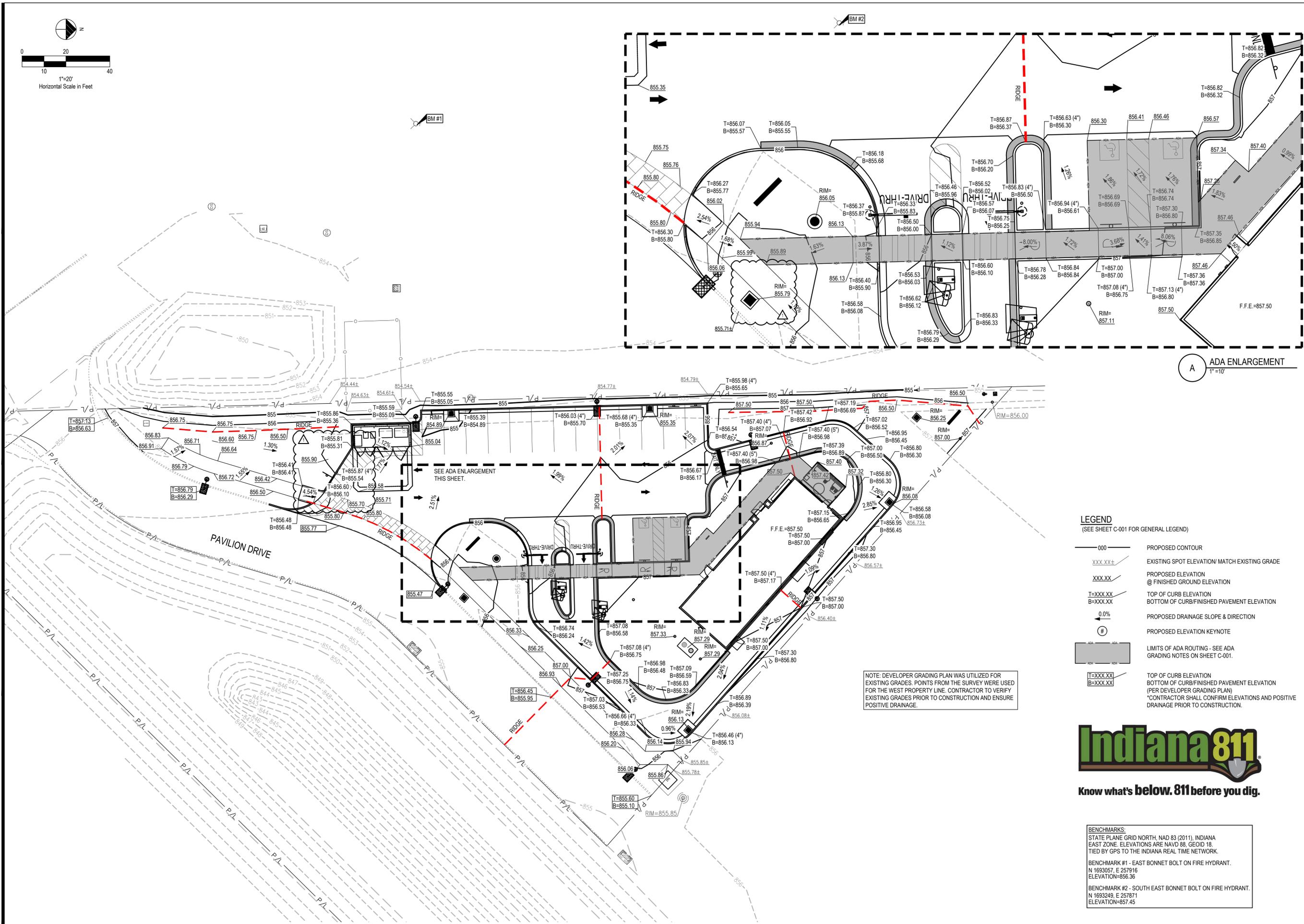
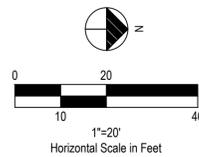
**TACO BELL**  
 5917 W BROADWAY  
 MCCORDSVILLE, IN 46055



SITE PLAN

C-111

PLOT DATE:



A ADA ENLARGEMENT  
1"=10'

**LEGEND**

- (SEE SHEET C-001 FOR GENERAL LEGEND)
- 000— PROPOSED CONTOUR
- XXX.XX± EXISTING SPOT ELEVATION/ MATCH EXISTING GRADE
- XXX.XX PROPOSED ELEVATION @ FINISHED GROUND ELEVATION
- T=XXX.XX TOP OF CURB ELEVATION
- B=XXX.XX BOTTOM OF CURB/ FINISHED PAVEMENT ELEVATION
- 0.0% PROPOSED DRAINAGE SLOPE & DIRECTION
- # PROPOSED ELEVATION KEYNOTE
- ADA ROUTING LIMITS OF ADA ROUTING - SEE ADA GRADING NOTES ON SHEET C-001.
- T=XXX.XX TOP OF CURB ELEVATION
- B=XXX.XX BOTTOM OF CURB/ FINISHED PAVEMENT ELEVATION (PER DEVELOPER GRADING PLAN)

NOTE: DEVELOPER GRADING PLAN WAS UTILIZED FOR EXISTING GRADES. POINTS FROM THE SURVEY WERE USED FOR THE WEST PROPERTY LINE. CONTRACTOR TO VERIFY EXISTING GRADES PRIOR TO CONSTRUCTION AND ENSURE POSITIVE DRAINAGE.



Know what's below. 811 before you dig.

**BENCHMARKS:**  
STATE PLANE GRID NORTH, NAD 83 (2011), INDIANA EAST ZONE. ELEVATIONS ARE NAVD 88, GEOID 18. TIED BY GPS TO THE INDIANA REAL TIME NETWORK.  
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BENCHMARK #2 - SOUTH EAST BONNET BOLT ON FIRE HYDRANT. N 1693249, E 257871 ELEVATION=857.45



DATE	REMARKS
1 12.05.24	DEVT. COMMENTS

CONTRACT DATE: END-20  
BUILDING TYPE: END-20  
PLAN VERSION: END-20  
BRAND DESIGNER: END-20  
SITE NUMBER: 317219  
STORE NUMBER: 463810  
PA/PM: EA  
DRAWN BY: EH  
JOB NO.: 2024088.09

**TACO BELL**  
5917 W BROADWAY  
MCCORDSVILLE, IN 46055

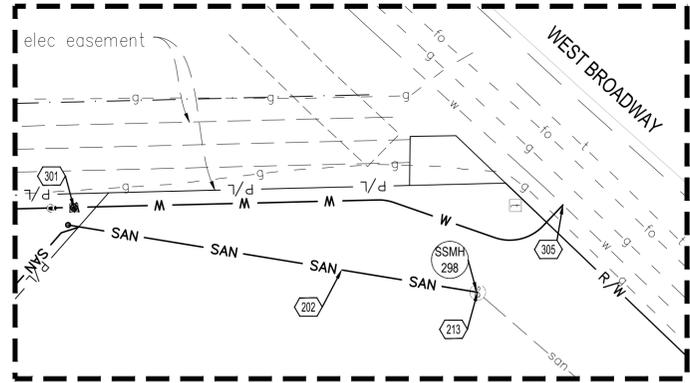


GRADING PLAN

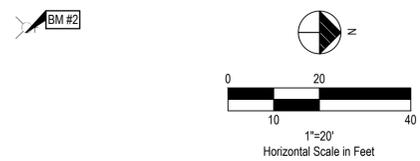
**C-121**

PLOT DATE:

- UTILITY CROSSINGS**  
GENERAL UTILITY CROSSING NOTES:
- CONTRACTOR SHALL COORDINATE ALL CROSSINGS/RELOCATIONS WITH THE RESPECTIVE UTILITY COMPANIES.
  - EXISTING AND PROPOSED PRESSURIZED (WATER & GAS) AND SECONDARY (ELECTRIC & COMMUNICATIONS) UTILITIES SHALL DEFLECT TO MAINTAIN 18" CLEAR AT SANITARY OR STORM SEWER CROSSINGS WHEN CONFLICTS OCCUR.
  - WHEN A PROPOSED PRESSURIZED SECONDARY UTILITY IS IN CROSSING CONFLICT WITH AN EXISTING PRESSURIZED SECONDARY UTILITY, THE PROPOSED UTILITY SHALL DEFLECT TO OBTAIN MINIMUM CLEARANCE.
  - CONTRACTOR SHALL FIELD LOCATE EXISTING PRESSURIZED SECONDARY UTILITIES AT PROPOSED CROSSINGS.
  - FOR CLEARANCE BETWEEN PIPES OF LESS THAN 18", THE CONTRACTOR SHALL PROVIDE CONCRETE ENCASUREMENT PER SHEET C-503.
- 1 PROP. 6" SAN INV. = 849.74  
 2 PROP. 12" STORM INV. = 852.46  
 3 PROP. GAS (SEE NOTES ABOVE)  
 4 PROP. GAS (SEE NOTES ABOVE)  
 5 PROP. GAS (SEE NOTES ABOVE)



**A UTILITY CONNECTIONS**  
1" = 20'



- LEGEND**  
(SEE SHEET C-001 FOR GENERAL LEGEND)
- ST PROPOSED STORM SEWER (12" AND SMALLER)
  - SAN PROPOSED SANITARY SEWER
  - W PROPOSED WATER SERVICE
  - GAS PROPOSED GAS SERVICE
  - E PROPOSED UNDERGROUND ELECTRIC SERVICE
  - D.S. PROPOSED DOWNSPOUT
  - A APPURTENANCES
  - # UTILITY CONSTRUCTION KEYNOTE

NOTE: ALL CLEANOUTS SHALL BE TYPE II PER TOWN OF MCCORDSVILLE STANDARDS.

- PLAN KEYNOTES**
- STORM**
- PROPOSED 23L.F. OF 12" HDPE STORM SEWER @ 0.48%
  - PROPOSED 14L.F. OF 12" HDPE STORM SEWER @ 0.31%
  - PROPOSED 81L.F. OF 12" HDPE STORM SEWER @ 0.51%
  - PROPOSED 117L.F. OF 12" HDPE STORM SEWER @ 0.50%
  - PROPOSED 139L.F. OF 12" HDPE STORM SEWER @ 0.50%
  - PROPOSED 14L.F. OF 12" HDPE STORM SEWER @ 0.61%
  - PROPOSED CONNECTION TO EXISTING STORM SEWER CONNECTION TO BE WATER TIGHT. CONTRACTOR SHALL CONFIRM INVERT AND RISE ELEVATION OF EXISTING CATCH BASIN PRIOR TO CONSTRUCTION. IF IT IS NOT AS STATED ON THESE PLANS, CONTACT ENGINEER. CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE.
  - PROPOSED WYE CONNECTION. 6" INV.=855.68, 12" INV.=855.18. SEE SHEET C-503.
  - PROPOSED WYE CONNECTION. 6" INV.=855.82, 12" INV.=855.32. SEE SHEET C-503.
  - PROPOSED 12L.F. OF 6" PVC, SDR 35 SANITARY SEWER @ 1.00%.
  - PROPOSED 12L.F. OF 6" PVC, SDR 35 SANITARY SEWER @ 1.00%.
- SANITARY**
- PROPOSED SANITARY WASTE CONNECTION. INV.=852.50. REFER TO BUILDING PLANS FOR ADDITIONAL INFORMATION.
  - PROPOSED SANITARY GREASE CONNECTION. INV.=852.50. REFER TO BUILDING PLANS FOR ADDITIONAL INFORMATION.
  - PROPOSED 91 L.F. OF 6" PVC, SDR 35 SANITARY SEWER @ 1.00% MIN.
  - PROPOSED 24 L.F. OF 6" PVC, SDR 35 SANITARY SEWER @ 1.00%.
  - PROPOSED 88 L.F. OF 6" PVC, SDR 35 SANITARY SEWER @ 1.00%.
  - PROPOSED 97 L.F. OF 6" PVC, SDR 35 SANITARY SEWER @ 1.00%.
  - PROPOSED 24 L.F. OF 6" PVC, SDR 35 SANITARY SEWER @ 1.00%.
  - PROPOSED 6 L.F. OF 6" PVC, SDR 35 SANITARY SEWER @ 1.00%.
  - PROPOSED 4 L.F. OF 6" PVC, SDR 35 SANITARY SEWER @ 1.00%.
  - PROPOSED 12 L.F. OF 6" PVC, SDR 35 SANITARY SEWER @ 3.92%.
  - PROPOSED 12 L.F. OF 6" PVC, SDR 35 SANITARY SEWER @ 1.00%.
  - PROPOSED SANITARY CLEANOUT AND WYE CONNECTION. SEE SHEET C-503. INV.=852.38.
  - PROPOSED SANITARY CLEANOUT AND WYE CONNECTION. SEE SHEET C-503. INV.=852.03.
  - PROPOSED CONNECTION TO EXISTING SANITARY MANHOLE. CONNECTION TO BE WATER TIGHT. CONTRACTOR TO CONFIRM EXISTING INVERT PRIOR TO CONSTRUCTION AND ENSURE POSITIVE DRAINAGE.
  - PROPOSED 2" VENT LINE.
  - PROPOSED SANITARY CLEANOUT AND WYE CONNECTION. SEE SHEET C-503. INV.=851.79.
  - PROPOSED SANITARY CLEANOUT AND WYE CONNECTION. SEE SHEET C-503. INV.=850.82.
  - PROPOSED SANITARY CLEANOUT AND WYE CONNECTION. SEE SHEET C-503. INV.=849.94.
  - PROPOSED SANITARY CLEANOUT AND WYE CONNECTION. SEE SHEET C-503. INV.=849.70.

- WATER**
- PROPOSED WATER CONNECTION. COORDINATE WITH PLUMBING PLANS.
  - PROPOSED 1.5" WATER METER AND BACKFLOW PREVENTER AT PROPERTY LINE PER CITY OF MCCORDSVILLE STANDARDS AND SPECIFICATIONS. BACKFLOW PREVENTER SHALL BE LOCATED AFTER THE METER.
  - PROPOSED 1" IRRIGATION METER AND BACKFLOW PREVENTER INSIDE BUILDING PER CITY OF MCCORDSVILLE STANDARDS AND SPECIFICATIONS. BACKFLOW PREVENTER SHALL BE LOCATED AFTER THE METER.
  - PROPOSED IRRIGATION STUB.
  - PROPOSED 305 L.F. 1.5" TYPE K WATER SERVICE LINE.
  - PROPOSED WATER SERVICE TAP PER CITY OF MCCORDSVILLE STANDARDS AND SPECIFICATIONS.

- ELECTRIC AND COMMUNICATIONS**
- PROPOSED ELECTRIC METER PER ELECTRIC COMPANY SPECIFICATIONS. SEE BUILDING DRAWINGS FOR EXACT LOCATION. ELECTRIC SERVICE LINE TO BE COORDINATED WITH THE ELECTRIC COMPANY.
  - PROPOSED ELECTRIC AND TELECOMMUNICATIONS SERVICE CONNECTION TO BE COORDINATED WITH THE UTILITY COMPANIES.
  - PROPOSED ELECTRICAL TRANSFORMER ON DEVELOPER SUPPLIED CONCRETE PAD PER ELECTRICAL COMPANY SPECIFICATIONS. G.C. TO VERIFY EXACT LOCATION AND SIZE WITH UTILITY ENGINEER.
  - PROPOSED LIGHT POLE. SEE ELECTRICAL DRAWINGS AND STRUCTURAL DRAWINGS FOR SPECIFICATIONS.

- GAS**
- PROPOSED GAS METER PER GAS COMPANY SPECIFICATIONS. SEE BUILDING DRAWINGS FOR EXACT LOCATION. GAS SERVICE LINE TO BE COORDINATED WITH THE GAS COMPANY.
  - PROPOSED 116 L.F. GAS SERVICE CONNECTION TO BE COORDINATED WITH THE GAS COMPANY.

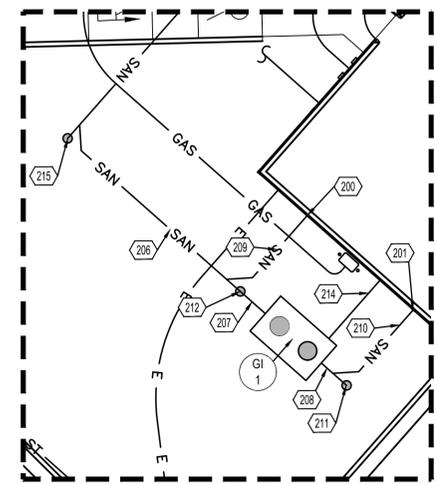
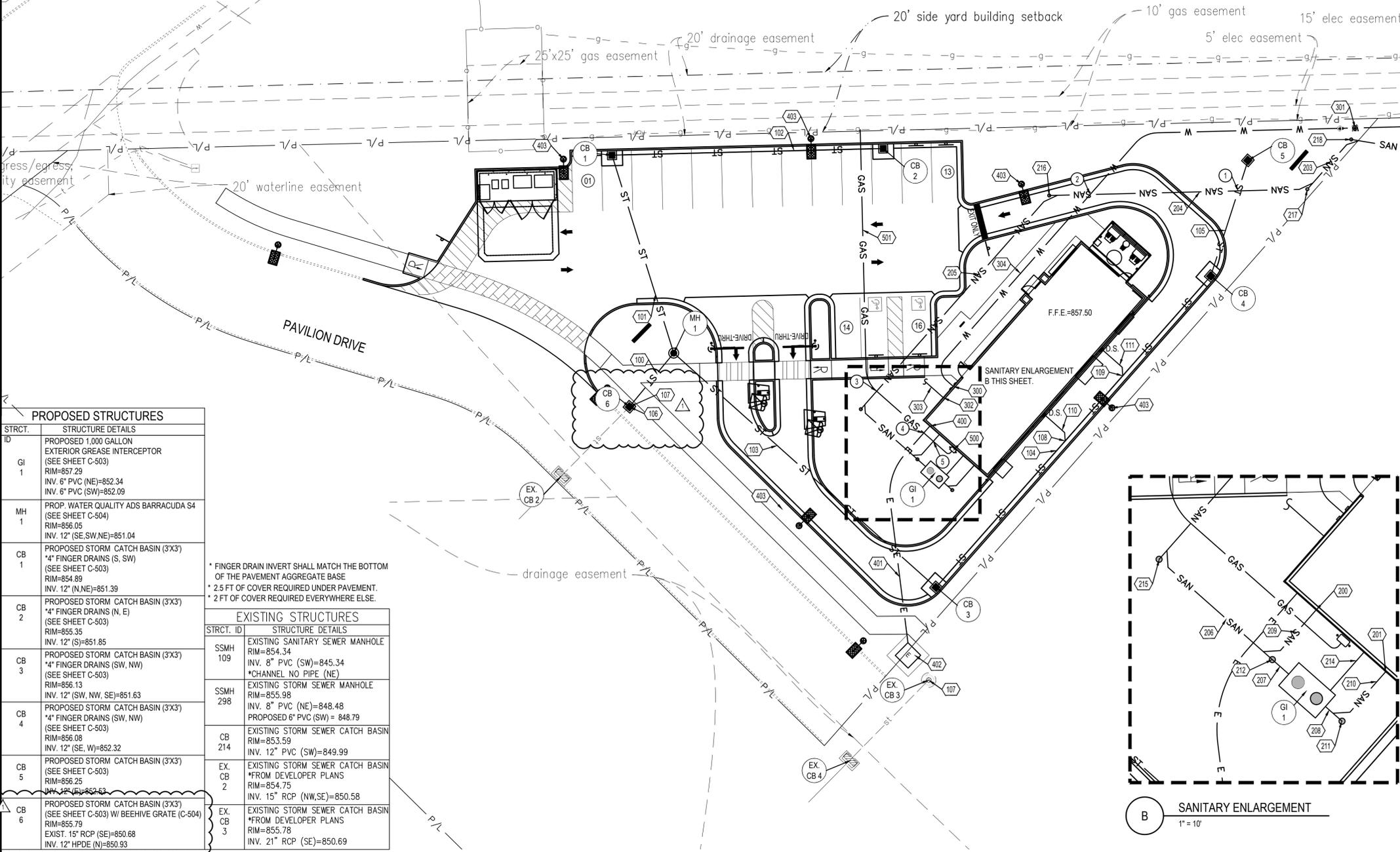
**PROPOSED STRUCTURES**

STRICT. ID	STRUCTURE DETAILS
GI 1	PROPOSED 1,000 GALLON EXTERIOR GREASE INTERCEPTOR (SEE SHEET C-503) RIM=857.29 INV. 6" PVC (NE)=852.34 INV. 6" PVC (SW)=852.09
MH 1	PROP. WATER QUALITY ADS BARRACUDA S4 (SEE SHEET C-504) RIM=856.05 INV. 12" (SE, SW, NE)=851.04
CB 1	PROPOSED STORM CATCH BASIN (3'X3') *4" FINGER DRAINS (S, SW) (SEE SHEET C-503) RIM=854.89 INV. 12" (N, NE)=851.39
CB 2	PROPOSED STORM CATCH BASIN (3'X3') *4" FINGER DRAINS (N, E) (SEE SHEET C-503) RIM=855.35 INV. 12" (S)=851.85
CB 3	PROPOSED STORM CATCH BASIN (3'X3') *4" FINGER DRAINS (SW, NW) (SEE SHEET C-503) RIM=856.13 INV. 12" (SW, NW, SE)=851.63
CB 4	PROPOSED STORM CATCH BASIN (3'X3') *4" FINGER DRAINS (SW, NW) (SEE SHEET C-503) RIM=856.08 INV. 12" (SE, W)=852.32
CB 5	PROPOSED STORM CATCH BASIN (3'X3') (SEE SHEET C-503) RIM=856.25 INV. 12" (SE)=852.62
CB 6	PROPOSED STORM CATCH BASIN (3'X3') (SEE SHEET C-503) W/ BEEHIVE GRATE (C-504) RIM=855.79 EXIST. 15" RCP (SE)=850.68 INV. 12" HPDE (N)=850.93

\* FINGER DRAIN INVERT SHALL MATCH THE BOTTOM OF THE PAVEMENT AGGREGATE BASE  
\* 2.5 FT OF COVER REQUIRED UNDER PAVEMENT.  
\* 2 FT OF COVER REQUIRED EVERYWHERE ELSE.

**EXISTING STRUCTURES**

STRICT. ID	STRUCTURE DETAILS
SSMH 109	EXISTING SANITARY SEWER MANHOLE RIM=854.34 INV. 8" PVC (SW)=845.34 *CHANNEL NO. PIPE (NE)
SSMH 298	EXISTING STORM SEWER MANHOLE RIM=855.98 INV. 8" PVC (NE)=848.48 PROPOSED 6" PVC (SW) = 848.79
CB 214	EXISTING STORM SEWER CATCH BASIN RIM=853.59 INV. 12" PVC (SW)=849.99
EX. CB 2	EXISTING STORM SEWER CATCH BASIN *FROM DEVELOPER PLANS RIM=854.75 INV. 15" RCP (NW, SE)=850.58
EX. CB 3	EXISTING STORM SEWER CATCH BASIN *FROM DEVELOPER PLANS RIM=855.78 INV. 21" RCP (SE)=850.69



**B SANITARY ENLARGEMENT**  
1" = 10'



DATE	REMARKS
1 12.05.24	DEVT. COMMENTS

CONTRACT DATE: 2024088.09  
BUILDING TYPE: END-20  
PLAN VERSION:  
BRAND DESIGNER:  
SITE NUMBER: 317219  
STORE NUMBER: 463810  
PA/PM: EA  
DRAWN BY: EH  
JOB NO.: 2024088.09

**TACO BELL**  
5917 W BROADWAY  
MCCORDSVILLE, IN 46055



UTILITY PLAN

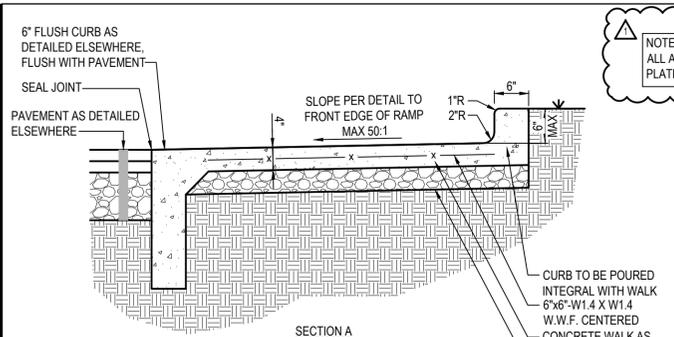
**C-131**

PLOT DATE:

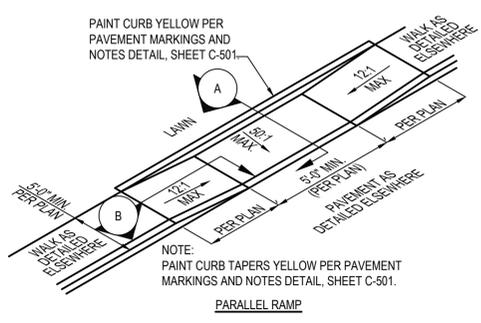
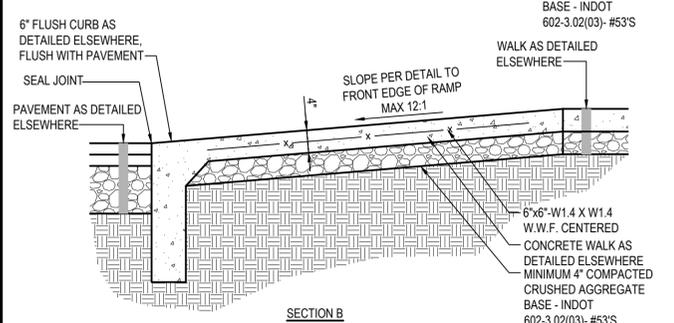
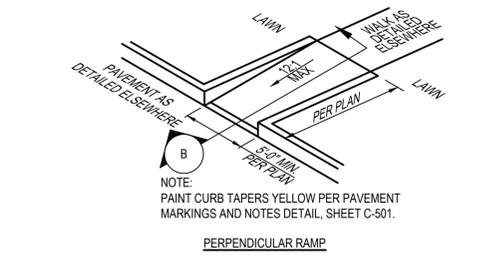


**BENCHMARKS:**  
STATE PLANE GRID NORTH, NAD 83 (2011), INDIANA EAST ZONE. ELEVATIONS ARE NAVD 88, GEOID 18, TIED BY GPS TO THE INDIANA REAL TIME NETWORK.  
BENCHMARK #1 - EAST BONNET BOLT ON FIRE HYDRANT.  
N 1693057, E 257916  
ELEVATION=856.36  
BENCHMARK #2 - SOUTH EAST BONNET BOLT ON FIRE HYDRANT.  
N 1693249, E 257871  
ELEVATION=857.45

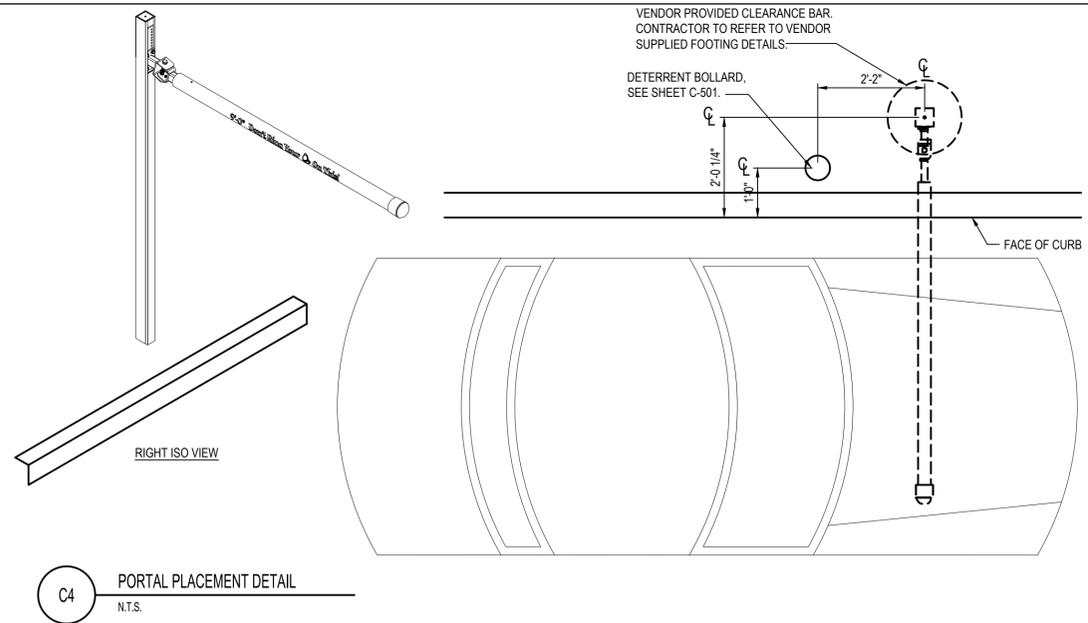




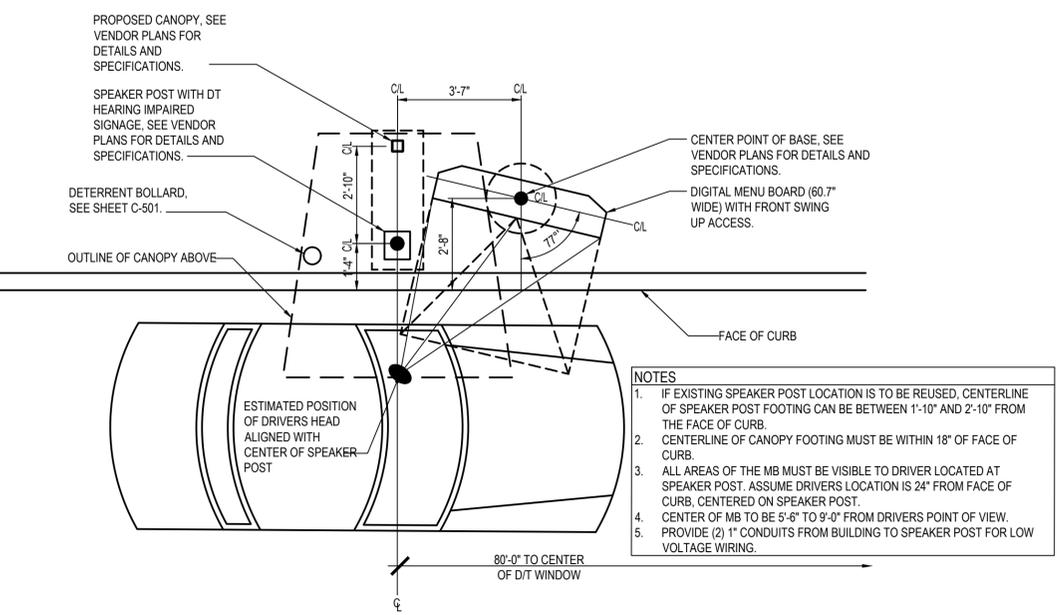
NOTE:  
ALL ADA DETECTABLE WARNING  
PLATES SHALL BE BLACK.



C1 ADA ACCESSIBLE RAMP  
N.T.S.

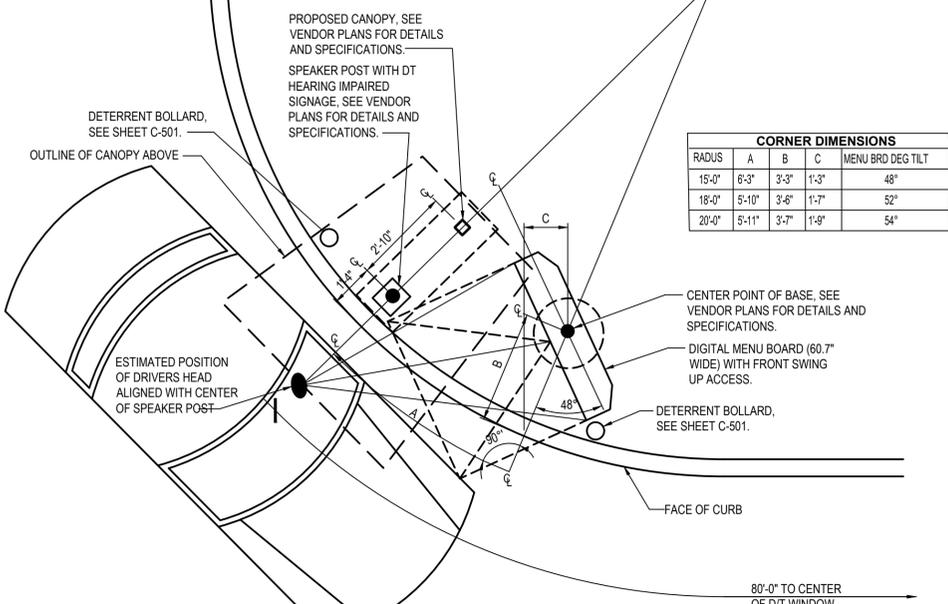


C4 PORTAL PLACEMENT DETAIL  
N.T.S.



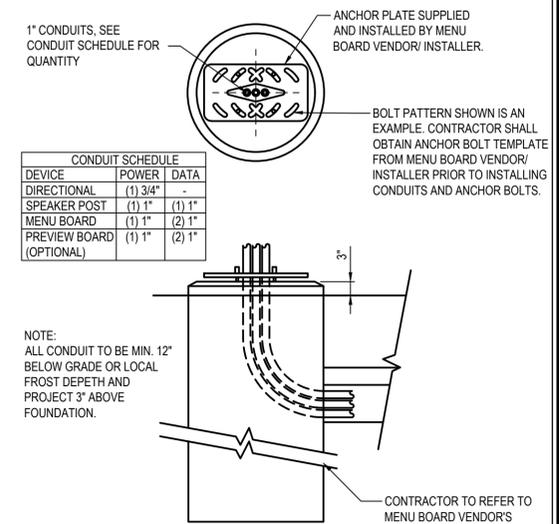
A1 ENLARGED MENU BOARD  
DETAIL @ STRAIGHT CURB  
N.T.S.

- NOTES
- IF EXISTING SPEAKER POST LOCATION IS TO BE REUSED, CENTERLINE OF SPEAKER POST FOOTING CAN BE BETWEEN 1'-10" AND 2'-10" FROM THE FACE OF CURB.
  - CENTERLINE OF CANOPY FOOTING MUST BE WITHIN 18" OF FACE OF CURB.
  - ALL AREAS OF THE MB MUST BE VISIBLE TO DRIVER LOCATED AT SPEAKER POST. ASSUME DRIVERS LOCATION IS 24" FROM FACE OF CURB, CENTERED ON SPEAKER POST.
  - CENTER OF MB TO BE 5'-6" TO 9'-0" FROM DRIVERS POINT OF VIEW.
  - PROVIDE (2) 1" CONDUITS FROM BUILDING TO SPEAKER POST FOR LOW VOLTAGE WIRING.



A3 ENLARGED MENU BOARD  
DETAIL @ CURVED CURB  
N.T.S.

CORNER DIMENSIONS				
RADIUS	A	B	C	MENU BRD DEG TILT
15'-0"	6'-3"	3'-3"	1'-3"	48°
18'-0"	5'-10"	3'-6"	1'-7"	52°
20'-0"	5'-11"	3'-7"	1'-9"	54°



A5 FOUNDATION CONDUIT DETAIL  
N.T.S.

LEONARDO A. SFERRA  
REGISTERED PROFESSIONAL ENGINEER  
No. 11600134  
STATE OF INDIANA  
12/13/24

DATE	REMARKS
1 12.05.24	DEVT. COMMENTS

CONTRACT DATE:  
BUILDING TYPE: END-20  
PLAN VERSION:  
BRAND DESIGNER:  
SITE NUMBER: 317219  
STORE NUMBER: 463810  
PA/PM: EA  
DRAWN BY.: EH  
JOB NO.: 2024088.09

**TACO BELL**  
5917 W BROADWAY  
MCCORDSVILLE, IN 46055



DETAILS

**C-502**

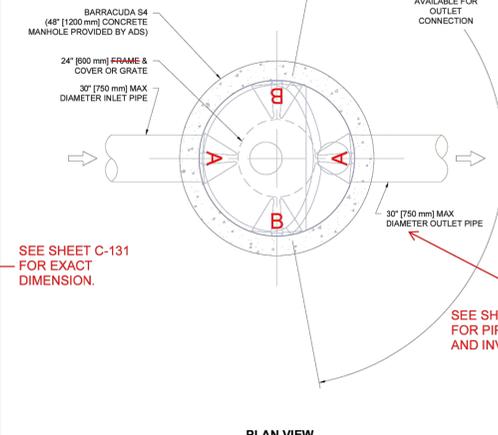
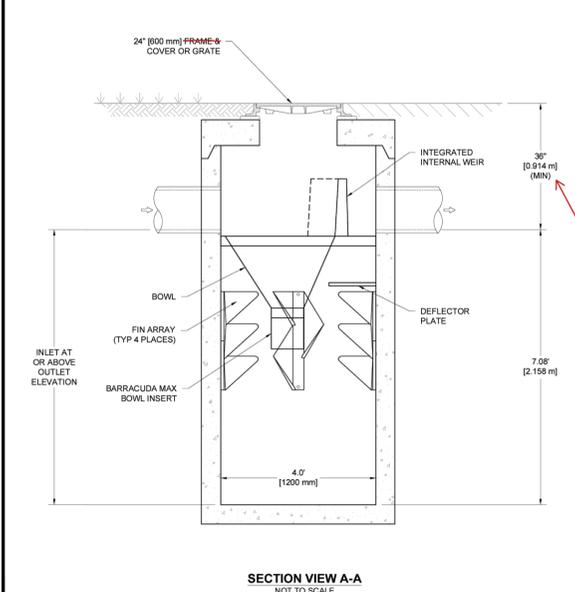
PLOT DATE:



**PRODUCT SPECIFICATIONS**

- THE STORMWATER TREATMENT UNIT SHALL BE AN IN-LINE UNIT CAPABLE OF CONVEYING 100% OF THE DESIGN PEAK FLOW. IF PEAK FLOW RATES EXCEED MAXIMUM HYDRAULIC RATE, THE UNIT SHALL BE INSTALLED OFF-LINE.
- THE BARRACUDA UNIT SHALL BE DESIGNED TO REMOVE AT LEAST 80% OF THE SUSPENDED SOLIDS ON AN ANNUAL AGGREGATE REMOVAL BASIS. SAID REMOVAL SHALL BE BASED ON FULL SCALE THIRD PARTY TESTING USING OK-10 MEDIA GRADATION OR EQUIVALENT AND 300 mg/L INFLUENT CONCENTRATION. SAID FULL SCALE TESTING SHALL HAVE INCLUDED SEDIMENT CAPTURE BASED ON ACTUAL TOTAL MASS COLLECTED BY THE STORMWATER TREATMENT UNIT.

**NOTE: REFER TO UTILITY PLANS (C-131) FOR EXACT PIPE DIMENSIONS, LAYOUT, AND INVERTS.**



- NOTES:**
- ENGINEER/CONTRACTOR TO CONFIRM PIPE MATERIALS AND APPLICABLE ADAPTERS
  - CONTRACTOR IS RESPONSIBLE FOR MATERIAL AND LABOR TO BRING CASTINGS TO FINISHED GRADE
  - CONTRACTOR TO MEASURE HEIGHT OF STRUCTURE TO ENSURE THAT DEPTH OF EXCAVATION IS CORRECT.
  - UNIT SHALL CONFORM TO H20-44 LOAD RATINGS.

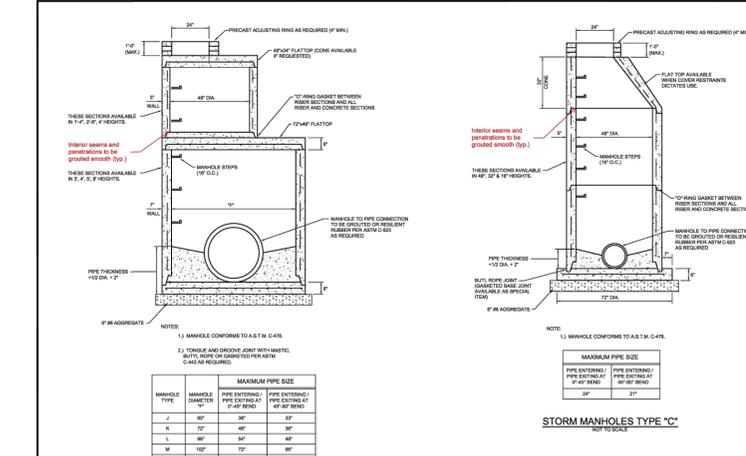
BARRACUDA MAX S4		
NUDEP (50% Removal)	CFS	L/s
OK-100 (80% Removal)	1.52	43.0
	1.52	43.0

BARRACUDA MAX S4  
STANDARD DETAIL  
DATE: 09/09/24  
DRAWING #: 10100264  
CHECKED: DMW

Barracuda Max  
Stormwater Separator

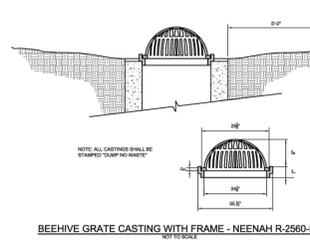
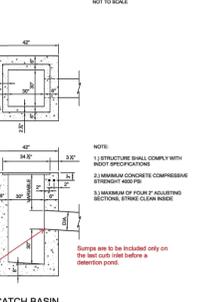
4640 TRILEMAN BLVD  
HILLIARD, OH 43026

1 SHEET OF 1



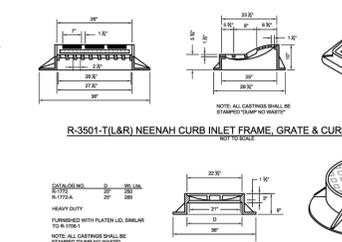
MANHOLE TYPE	MANHOLE DIAMETER	PIPE EXTERIOR DIAMETER AT 4' FROM TOP	PIPE EXTERIOR DIAMETER AT 4' FROM BOTTOM
J	36"	36"	36"
K	42"	42"	42"
L	48"	48"	48"
M	54"	54"	54"
N	60"	60"	60"

**STORM MANHOLES TYPE 'J' - K - L - M & N**



**MANHOLE NOTES:**

- Type 'J', 'K', 'L', 'M' & 'N' manholes as detailed herein require a certain minimum depth. In cases where the depth of the storm sewer is not sufficient to meet the minimum depth as by the detail, "P" diameter manhole section may be used required by the detail, "P" diameter manhole section may be used throughout the depth of the manhole.
  - Manholes shall conform to ASTM C-478. Joints shall conform to ASTM C-443. The use of cast-in-place concrete structures shall require the prior written approval of the Town Engineer. Regardless of the type of casting used, the casting shall be centered over the manhole steps.
  - Manhole steps shall be made from a steel reinforcing rod encapsulated in a copolymer polypropylene resin. The manhole steps shall equal or exceed C90-A requirements manhole steps, PSI (P) as manufactured by M.A. Industries, Inc. Practice City, Georgia, or approved equal.
- STORM SEWER TELEVISION:**
- All storm lines 12" in diameter and greater upon completion and 3 months prior to the expiration of the maintenance bond shall be televised. Similar lines may be required to be televised by the Town Engineer at the discretion if it is necessary to ensure proper installation and/or operation. The storm sewer shall also be jetted clean if necessary in the judgment of the Town's representative after observing the televising.
- CASTING NOTES:**
- Castings which drain combined curbs and gutter, Type II curbing shall be Neenah R-3308-SV or Neenah R-3327-10V or as approved by the Town Engineer. Manholes shall not be used to drain combined curbs and gutter, Type II curbing.
  - Castings which drain curb and gutter, Type I curbing shall be Neenah R-3501-TR, or Neenah R-3501-TL or as approved by the Town Engineer. Manholes shall not be used to drain curb and gutter, Type I curbing.
  - Castings for inlets which drain open pavement areas without curbing shall be Neenah R-3402-E or as approved by the Town Engineer.
  - Castings for manholes which drain open pavement areas without curbing shall be Neenah R-2501 or as approved by the Town Engineer.
  - Castings for manholes which do not collect surface water shall be Neenah R-1772-A or as approved by the Town Engineer.
  - All castings shall be stamped "DUMP NO WASTE".



**STORM MANHOLE R-1772-A WITH CONCEALED PICK HOLES**



REV. NO.	DESCRIPTION	DATE
1	Various changes in ref	4/18/2023

TOWN OF McCORDSVILLE  
10100264

TOWN OF McCORDSVILLE  
TOWN STANDARDS  
STORM SEWER  
STRUCTURE DETAILS

1 SHEET OF 10

FOR REFERENCE ONLY

DATE	REMARKS
12/05/24	DEVT. COMMENTS

CONTRACT DATE:  
BUILDING TYPE: END-20  
PLAN VERSION:  
BRAND DESIGNER:  
SITE NUMBER: 317219  
STORE NUMBER: 463810  
PA/P/M: EA  
DRAWN BY: EH  
JOB NO.: 2024088.09

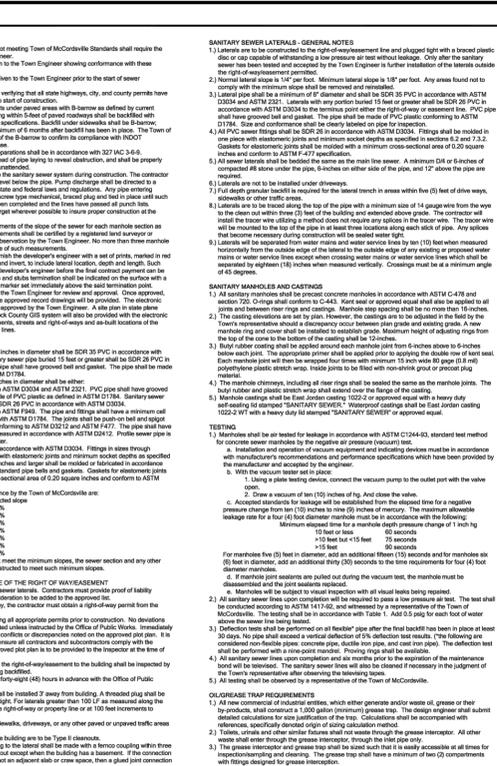
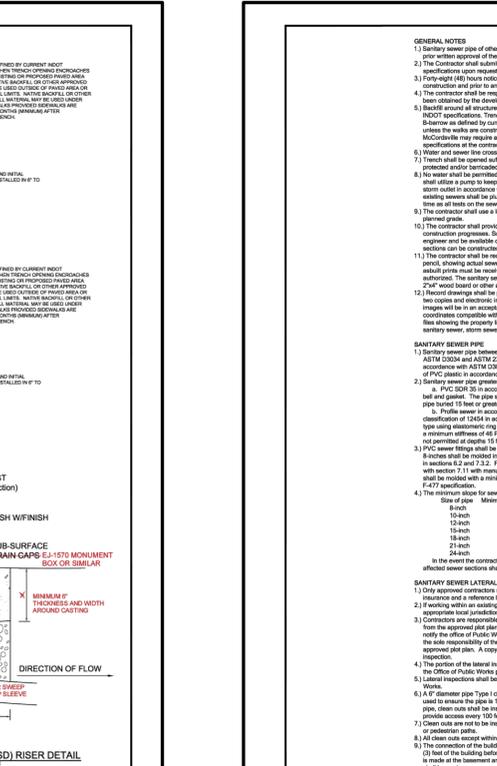
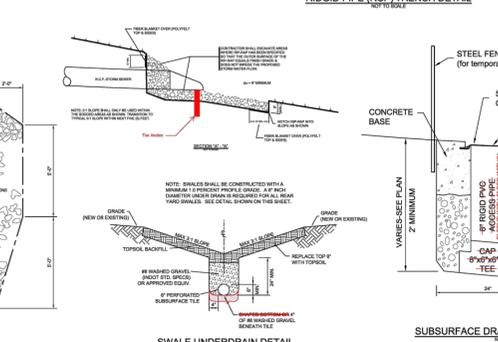
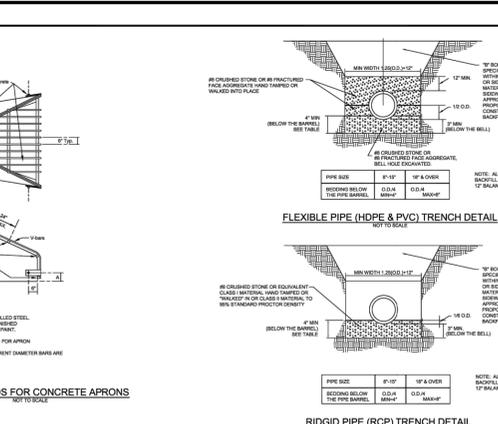
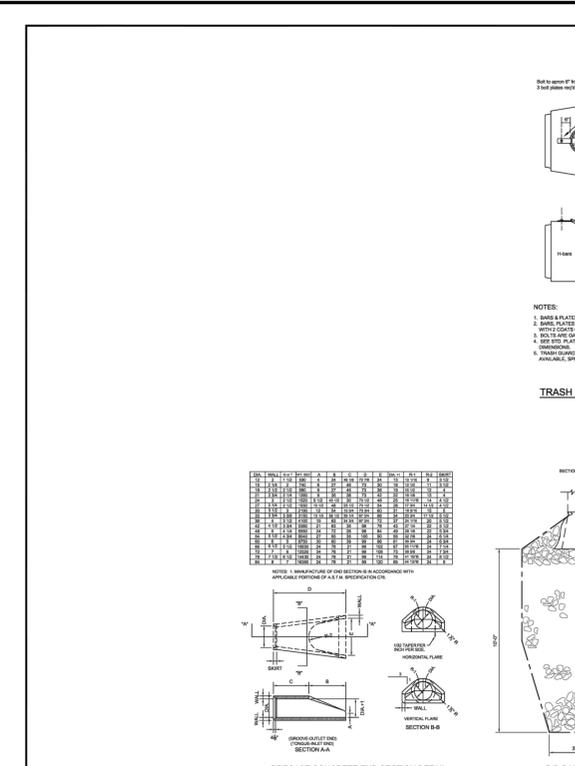
TACO BELL  
5917 W BROADWAY  
McCORDSVILLE, IN 46055



DETAILS

C-504

PLOT DATE:



**GENERAL NOTES**

- Sanitary sewer pipe of other material not meeting Town of McCordsville standards shall require the prior written approval of the Town Engineer.
- From right (RW) reference shall be given to the Town Engineer prior to the start of sewer construction and prior to any existing.
- The contractor shall be responsible for verifying that all state highways, city, and county boundaries have been obtained by the developer prior to start of construction.
- Headfall around all structures and catch basins shall be as defined by current NCDOT specifications. Trenches opening within 5 feet of paved roadways shall be backfilled with 3/4" clean aggregate to a minimum depth of 18 inches. Backfill under sidewalks shall be 3/4" clean aggregate to a minimum depth of 6 inches. Backfill under sidewalks shall be 3/4" clean aggregate to a minimum depth of 6 inches. Backfill under sidewalks shall be 3/4" clean aggregate to a minimum depth of 6 inches.
- Water and sewer line coverings and separations shall be in accordance with 221AC 3-6.5.
- No water shall be conveyed through any pipe laying to a storm collection, and shall be properly protected and/or contained when left unattended.
- The contractor shall use a laser and target wherever possible to insure proper construction at the desired grade.
- The contractor shall provide measurements of the slope of the sewer for each manhole section in accordance with the approved drawings. Such measurements shall be certified by a registered land surveyor or other professional engineer and shall be provided to the Town Engineer prior to the start of sewer construction. Such measurements shall be provided to the Town Engineer prior to the start of sewer construction. Such measurements shall be provided to the Town Engineer prior to the start of sewer construction.
- The contractor shall be required to furnish the developer's engineer with a set of notes, stamped in red ink, showing actual sewer location and invert to include lateral location, depth and length. Such actual notes shall be reviewed by the developer's engineer before the final termination permit is authorized. The sanitary sewer lateral and side termination shall be indicated on the surface with a "C" wood stake or other appropriate marker immediately above the final termination point.
- Record drawings shall be provided to the Town Engineer for review and approval. Once approved, two copies and electronic files of the approved drawings will be provided. The electronic files will be in an acceptable format approved by the Town Engineer. A file plan in state plane coordinates compatible with the Hancock County GIS system will also be provided with the electronic files showing the property lines, easements, streets and right-of-ways and as-built locations of the sanitary sewer, storm sewer and water lines.
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**SANITARY SEWER PIPE**

- Sanitary sewer pipe between 18 and 24 inches in diameter shall be SDR 35 PVC in accordance with ASTM D3034 and ASTM 2321. Sanitary sewer pipe 30 inches or greater shall be SDR 26 PVC in accordance with ASTM D3034 and ASTM 2321. Sanitary sewer pipe shall have ground bell and gasket. The pipe shall be made of PVC plastic as defined in ASTM D1798.
- Sanitary sewer pipe greater than 15 inches in diameter shall be either:
  - PVC plastic in accordance with ASTM D3034 and ASTM 2321. PVC pipe shall have ground bell and gasket. The pipe shall be made of PVC plastic as defined in ASTM D1798.
  - Profile sewer in accordance with ASTM 1448. The pipe and fittings shall have a minimum call depth of 12 inches in accordance with ASTM 1448. The pipe shall be push-on bell and gasket pipe in accordance with ASTM 1448. The pipe shall be push-on bell and gasket pipe in accordance with ASTM 1448. The pipe shall be push-on bell and gasket pipe in accordance with ASTM 1448.
- PVC plastic in accordance with ASTM D3034 and ASTM 2321. Fittings shall be made of ductile iron in accordance with ASTM A536. Fittings shall be made of ductile iron in accordance with ASTM A536. Fittings shall be made of ductile iron in accordance with ASTM A536.
- Sanitary sewer pipe shall be installed in one piece with elastomeric joints and minimum socket depth as specified in section 2.1.2. Fittings shall be made of ductile iron in accordance with ASTM A536. Fittings shall be made of ductile iron in accordance with ASTM A536. Fittings shall be made of ductile iron in accordance with ASTM A536.
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REV. NO.	DESCRIPTION	DATE
1	Various changes in ref	4/18/2023

TOWN OF McCORDSVILLE  
10100264

TOWN OF McCORDSVILLE  
TOWN STANDARDS  
SANITARY SEWER  
SPECIFICATIONS

1 SHEET OF 10

LANDSCAPE NOTES & PLANTING SPECIFICATIONS

**SCOPE OF WORK**

- THIS WORK SHALL CONSIST OF PERFORMING CLEARING AND GRUBBING, SOIL PREPARATION, FINISH GRADING, PLANTING AND DRAINAGE, INCLUDING ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, AND ANY OTHER APPURTENANCES NECESSARY FOR THE COMPLETION OF THIS PROJECT.
- QUANTITY TAKEOFF IS SUPPLIED FOR CONTRACTOR'S ASSISTANCE ONLY. CONTRACTOR IS RESPONSIBLE FOR SUPPLYING ALL PLANT MATERIALS AS PER PLAN.
- NO ADDITIONAL COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR DAMAGE AND REPAIR WITHIN EASEMENT OR RIGHT-OF-WAY LIMITS.

**PRESERVATION/PROTECTION (IF APPLICABLE)**

- CONTRACTOR SHALL MAINTAIN AND PRESERVE TREES AND SHRUBS NOT BEING REMOVED, INCLUDING THEIR ROOTS. TREE PROTECTION FENCING SHALL BE USED AT THE DRIP LINE OF ALL TREES AND SHRUBS WITHIN 50 FEET OF CONSTRUCTION EXCEPT AS SHOWN ON PLAN. FENCING SHALL REMAIN IN PLACE UNTIL FINAL PLANT INSPECTION FOLLOWING CONSTRUCTION. MATERIALS SHALL NOT BE STOCKPILED WITHIN THIS DEFINED AREA AND VEHICLES AND OTHER EQUIPMENT SHALL BE OPERATED TO AVOID SOIL COMPACTION.
- FEEDER ROOTS SHOULD NOT BE CUT IN AN AREA EQUAL TO TWICE THE TREE CIRCUMFERENCE (MEASURED 6" ABOVE THE GROUND LINE IN INCHES) EXPRESSED IN FEET. (EXAMPLE: A CIRCUMFERENCE OF 10" WOULD HAVE A "NO CUT" ZONE OF 20 FEET IN ALL DIRECTIONS FROM THE TREE). THIS SHOULD APPLY TO UTILITY SERVICES, IF FEASIBLE. THE ONLY EXCEPTION TO THIS REQUIREMENT WILL BE THOSE SPECIFICALLY ALLOWED BY THE LANDSCAPE ARCHITECT, SPECIFICATIONS OR AS INDICATION ON THE PLANS.
- TREE TRUNKS AND EXPOSED ROOTS DAMAGED DURING EQUIPMENT OPERATIONS SHALL BE TREATED IN ACCORDANCE WITH THE ARBOR CULTURAL STANDARDS OF THE CITY.

**PLANT MATERIALS**

- GENERAL - ALL MATERIALS SHALL BE OF ITS KIND AVAILABLE AND SHALL HAVE BEEN GROWN IN A CLIMATE SIMILAR TO THAT ON SITE.
- PLANTS - ALL PLANTS SHALL BE HEALTHY, OF NORMAL GROWTH, WELL ROOTED, FREE FROM DISEASE AND INSECTS. QUALITY AND SIZE OF PLANT MATERIAL SHALL CONFORM TO ANSI Z60.1 "AMERICAN STANDARDS FOR NURSERY STOCK".
- VARIETIES AND SIZES OF PLANTS SHALL BE AS SHOWN ON DRAWINGS.
- PLANTS SHALL BE IN A HEALTHY, VIGOROUS CONDITION, FREE OF DEAD OR BROKEN BRANCHES, SCARS THAT ARE NOT COMPLETELY HEALED, FROST CRACKS, DISFIGURING KNOTS, BROKEN OR ABRADED BARK, REDUNDANT LEADERS OR BRANCHES, OR ABERRATIONS OF ANY KIND. PLANTS SHALL NOT HAVE MULTIPLE LEADERS, UNLESS THIS IS THE NATURAL FORM.
- BALLED AND BURLAPPED (B&B) PLANTS SHALL BE DUG WITH A FIRM ROOT BALL OF NATURAL EARTH, OF A SIZE IN PROPORTION TO THE PLANT'S SIZE, AS MEASURED BY CALIPER, HEIGHT, OR SPREAD. BALLED AND BURLAPPED PLANTS SHALL BE HANDLED ONLY BY THE ROOT BALL, NOT BY THE TRUNK OR BRANCHES, AS THIS MAY BREAK OR LOOSEN THE ROOT BALL AND DAMAGE THE ROOT SYSTEM. CONTAINER PLANTS SHALL HAVE BEEN ESTABLISHED FOR A MINIMUM OF ONE FULL GROWING SEASON IN THEIR CONTAINERS BEFORE INSTALLATION. CONTAINER PLANTS SHALL BE HANDLED ONLY BY THE CONTAINER, NOT BY THE STEMS OR BRANCHES, AS THIS MAY PULL THE PLANT OUT OF THE CONTAINER AND BREAK OR LOOSEN THE ROOT BALL AND DAMAGE THE ROOT SYSTEM.
- PLANTS SHALL BE PROTECTED FROM DRYING OUT DURING SHIPPING WITH TARPULINS OR OTHER COVERINGS. PLANTS SHALL BE PROTECTED FROM DRYING OUT AFTER DELIVERY BY PLANTING IMMEDIATELY; IF THIS IS NOT POSSIBLE, THE ROOT BALL SHALL BE COVERED WITH PEAT MOSS OR EARTH, AND WATERED FREQUENTLY TO KEEP IT MOIST UNTIL PLANTING.
- DO NOT HANDLE, MOVE, BIND, TIE OR OTHERWISE TREAT PLANTS SO AS TO DAMAGE THE ROOT BALL, ROOTS, TRUNK, OR BRANCHES IN ANY WAY.

**TOPSOIL**

- TOPSOIL HAS BEEN (OR WILL BE) STOCKPILED FOR REUSE IN LANDSCAPE WORK. IF QUANTITY OF STOCKPILED TOPSOIL IS INSUFFICIENT, PROVIDE ADDITIONAL TOPSOIL AS REQUIRED TO COMPLETE LANDSCAPE WORK. IMPORTED TOPSOIL SHALL CONSIST OF LOOSE, FRIABLE, LOAMY TOPSOIL WITHOUT ADMIXTURE OF SUBSOIL OR REFUSE. ACCEPTABLE TOPSOIL SHALL CONTAIN NOT LESS THAN 3 PERCENT NOR MORE THAN 20 PERCENT ORGANIC MATTER.
- PLANTING BACKFILL FOR PARKING LOT ISLANDS SHALL CONSIST OF A HOMOGENEOUS MIXTURE OF 3 PARTS TOPSOIL TO ONE PART SPHAGNUM PEAT INSTALLED OVER A 6" THICKNESS OF NO. 57 AGGREGATE.

**SOIL CONDITIONING**

- OBTAIN LABORATORY ANALYSIS OF STOCKPILED AND IMPORTED TOPSOIL COMPLETE WITH RECOMMENDATIONS FOR SOIL AMENDMENT.
- BEFORE MIXING, CLEAN TOPSOIL OF ROOTS, PLANTS, SOD, STONES, CLAY LUMPS, AND OTHER EXTRANEOUS MATERIALS HARMFUL OR TOXIC TO PLANT GROWTH.
- MIX SPECIFIED SOIL AMENDMENTS AND FERTILIZERS WITH TOPSOIL AT RATES SPECIFIED BY THE LAB REPORT. DELAY MIXING OF FERTILIZER IF PLANTING WILL NOT FOLLOW PLACING OF PLANTING SOIL WITHIN A FEW DAYS.
- FOR PLANTING BEDS AND LAWNS, MIX PLANTING SOIL EITHER PRIOR TO PLANTING OR APPLY ON SURFACE OF TOPSOIL AND MIX THOROUGHLY BEFORE PLANTING. MIX LIME WITH DRY SOIL PRIOR TO MIXING OF FERTILIZER.
- PREVENT LIME FROM CONTACTING ROOTS OF ACID-LOVING PLANTS.
- APPLY PHOSPHORIC ACID FERTILIZER (OTHER THAN THAT CONSTITUTING A PORTION OF COMPLETE FERTILIZERS) DIRECTLY TO SUBGRADE BEFORE APPLYING PLANTING SOIL AND TILLING.

**PLANTING SOIL**

- PLANTING SOIL MIX SHALL BE CLEAR OF ALL STONES AND DEBRIS 1" OR LARGER, AND CONSIST OF THE FOLLOWING: 25% ORGANIC COMPOST, 75% ACCEPTABLE TOPSOIL.

**OTHER MATERIALS**

- BED EDGING - EDGING SHALL BE 4" STEEL EDGING WITH THREE (3) METAL ANCHOR STAKES PER 20 FOOT SECTION. ALL MASS PLANTING BEDS SHALL HAVE EDGING PLACED BETWEEN MULCH AND ANY ADJACENT LAWN.
- MULCH: ORGANIC MULCH FREE FROM DELETERIOUS MATERIALS AND SUITABLE FOR TOP DRESSING OF TREES, SHRUBS, OR PLANTS AND CONSISTING OF THE FOLLOWING:
  - RIVER ROCK MULCH: AGGREGATE MULCH, 3/4"-2" IN SIZE, WASHED AND ROUNDED. SHALL BE INSTALLED PER PLAN. RIVER ROCK MULCH SHALL BE INSTALLED AT 3" INCHES DEPTH.
  - NON-DYED, DOUBLE SHREDDED HARDWOOD SHALL BE INSTALLED IN ALL OTHER LANDSCAPE BEDS OUTSIDE OF THE RIVER ROCK MULCH AREA AT A DEPTH OF 3 INCHES.
  - WEED BARRIER - POLYETHYLENE FILTER FABRIC DESIGNED TO PERMIT WATER INFILTRATION WHILE PREVENTING WEED GROWTH-TO BE INSTALLED IN ALL PLANTING BEDS.

**GENERAL WORK PROCEDURES**

- LANDSCAPE WORK SHALL BE ACCORDING TO THE WORKMANLIKE STANDARDS ESTABLISHED FOR LANDSCAPE CONSTRUCTION AND PLANTING IN THE INDIANA STANDARDIZED LANDSCAPE SPECIFICATIONS (ASLA) AND ANY LOCAL LANDSCAPE ORDINANCES.
- CONTRACTOR SHALL OBTAIN A COPY OF LOCAL ORDINANCES REGARDING ACCEPTABLE PLANT AND PLANTING DETAILS AND ABIDE BY THOSE ORDINANCES AND DETAILS.
- ENGINEER RESERVES THE RIGHT TO REJECT ALL PLANT MATERIAL DEEMED NOT ACCEPTABLE.
- ANY PROPOSED PLANT SUBSTITUTIONS SHALL BE EQUIVALENT IN FORM, HABIT, STRUCTURE, BRANCHING AND LEAF TYPE AND MUST BE ISSUED TO THE LANDSCAPE ARCHITECT FOR APPROVAL, IN WRITING, PRIOR TO INSTALLATION.

**WEEDING**

- BEFORE AND DURING PRELIMINARY GRADING AND FINISH GRADING, ALL WEEDS AND GRASSES SHALL BE DUG OUT BY THE ROOTS AND DISPOSED OF AT THE CONTRACTOR'S EXPENSE.

**PLANTING**

- POSITION TREES AND SHRUBS AT THEIR INTENDED LOCATIONS AS PER THE PLANS AND SECURE THE APPROVAL OF THE OWNER BEFORE EXCAVATING PITS, MAKING NECESSARY ADJUSTMENTS AS DIRECTED.
  - ZONES 3, 4 & 5: APPROVED BLUE GRASS BLEND
  - ZONE 6: APPROVED FESCUE BLEND
  - ZONES 7 & 8: APPROVED BERMUDA BLEND
  - ZONES 9 & 10: APPROVED ST AUGUSTINE FLORATAM BLEND
- PLANTING PITS SHALL BE AS PER DETAILS.
- PREPARED SOIL SHALL BE TAMPED FIRMLY AT BOTTOM OF PIT. FILL WITH PLANTING SOIL AROUND BALL OF PLANT. COMPLETE BACKFILLING AND WATER THOROUGHLY.
- EACH TREE AND SHRUB SHALL RECEIVE THE LANDSCAPER'S BIONUTRITION (3-0-3) GRANULAR WITH MYCORRHIZAL TECHNOLOGY FERTILIZER OR APPROVED OTHER. APPLY FERTILIZER PER MANUFACTURER'S SPECIFICATIONS.
- WATER IMMEDIATELY AFTER PLANTING. WATER SHALL BE APPLIED TO EACH TREE AND SHRUB IN SUCH MANNER AS NOT TO DISTURB BACKFILL AND TO THE EXTENT THAT ALL MATERIALS IN THE PLANTING HOLE ARE THOROUGHLY SATURATED.
- INSTALL BED EDGING AND MULCH PER MATERIALS SPECIFICATION AND DETAILS.
- REMOVE ALL SALES TAGS, STRINGS, STRAPS, WIRE, ROPE OR OTHER MATERIALS THAT MAY INHIBIT PLANT GROWTH BOTH ABOVE AND BELOW THE SURFACE OF THE SOIL.
- REMOVE ANY BROKEN, SUCKERING, DISEASED, CRISSCROSSED OR AESTHETICALLY DISPLEASING BRANCHES BACK TO LIVE LEADER OR SIDE LATERAL WITH A FLUSH CUT.

**FINISH GRADING**

- ALL AREAS WILL BE GRADED BY THE CONTRACTOR TO SUBSTANTIALLY PLUS/MINUS 0.1 FOOT OF FINISH GRADE.
- ALL LAWN AND PLANTING AREAS SHALL BE GRADED TO A SMOOTH, EVEN, UNIFORM PLANE WITH NO ABRUPT CHANGE OF SURFACE. SOIL AREAS ADJACENT TO THE BUILDINGS SHALL SLOPE AWAY FROM THE BUILDINGS.
- ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED TO ALLOW FREE FLOW OF SURFACE WATER.
- PARKING LOT ISLAND SHALL BE BACKFILLED AS PART OF THIS CONTRACT.

**GUARANTEE**

- CONTRACTOR SHALL GUARANTEE ALL PLANTS FOR A PERIOD OF ONE (1) YEAR FROM DATE OF PROJECT ACCEPTANCE BY THE OWNER.

**CLEANUP**

- UPON THE COMPLETION OF ALL PLANTING WORK AND BEFORE FINAL ACCEPTANCE, THE CONTRACTOR SHALL REMOVE ALL MATERIAL, EQUIPMENT, AND DEBRIS RESULTING FROM HIS WORK. AN 'ACCEPTABLE CONDITION' SHALL BE AS DEFINED AND APPROVED BY THE OWNER'S AUTHORIZED REPRESENTATIVE.

**IRRIGATION**

- CONTRACTOR SHALL PROVIDE & INSTALL AN IRRIGATION SYSTEM TO PROVIDE 100% COVERAGE OF THE SITE.
- IRRIGATED AREAS WITHIN 5 FEET OF BUILDING WALLS SHALL BE IRRIGATED BY DRIP IRRIGATION OR SIMILAR. CONTRACTOR SHALL ENSURE BUILDING WALLS AND WINDOWS WILL NOT BE DAMAGED OR STAINED BY IMPROPER IRRIGATION INSTALLATION OR POOR SELECTION OF FIXTURES.
- SYSTEM SHALL INCLUDE ALL SPRINKLER FIXTURES, DRIP TUBING, PIPING, VALVES, WIRING AND CONTROLS TO PROVIDE A COMPLETE FUNCTIONAL SYSTEM THAT SHALL COMPLY WITH CITY CODE.
- IRRIGATION CONTRACTOR SHALL PROVIDE A METHOD FOR WINTERIZATION. WINTERIZATION SHALL BE PERFORMED BY CONTRACTOR UPON COMPLETION IF SYSTEM IS INSTALLED BETWEEN NOVEMBER 1 AND MARCH 31.
- PRIOR TO UPDATING THE IRRIGATION SYSTEM, A CERTIFIED IRRIGATION DESIGNER SHALL PROVIDE SHOP DRAWINGS TO ENGINEER FOR APPROVAL.
- UPON APPROVAL OF SHOP DRAWINGS, THE UPDATED IRRIGATION SYSTEM SHALL BE APPROVED BY OWNER FOR FINAL ACCEPTANCE.

**MAINTENANCE**

(MAINTENANCE PERIOD TO COMMENCE AFTER FINAL INSPECTION.)

- MAINTENANCE PERIOD FOR THIS CONTRACT SHALL BE 90 CALENDAR DAYS COMMENCING AFTER FINAL INSPECTION OF CONSTRUCTION.
- MAINTAIN TREES, SHRUBS AND OTHER PLANTS BY PRUNING, CULTIVATING AND WEEDING AS REQUIRED FOR HEALTHY GROWTH. RESTORE PLANTING SAUCERS, RESET TREES AND SHRUBS TO PROPER GRADES OR VERTICAL POSITION AS REQUIRED.
- MAINTAIN LAWNS BY WATERING, MOWING, TRIMMING, AND OTHER OPERATIONS SUCH AS ROLLING, REGRADING AND REPLANTING AS REQUIRED TO ESTABLISH A SMOOTH, ACCEPTABLE LAWN, FREE OF ERODED OR BARE AREAS.
- MAINTAIN THE LANDSCAPING BY KEEPING ALL PLANTS DISEASE-FREE AND PLANTING BEDS GROOMED, EXCEPT IN NATURALLY OCCURRING VEGETATION AREAS.
- REPLACE ANY REQUIRED PLANTING(S), WHICH SEVERELY DECLINE OR DIE AFTER THE DATE OF PLANTING. SUCH REPLACEMENT SHALL OCCUR DURING THE NEXT APPROPRIATE PLANTING SEASON.

**SODDING**

- SOD SHALL BE FIRST GRADE CERTIFIED BLENDS OF THE FOLLOWING SPECIES PER HARDINESS ZONE CONTAINING NOT MORE THAN 30 PERCENT OF OTHER GRASSES AND CLOVERS, AND FREE FROM ALL NOXIOUS WEEDS.
  - ZONES 3, 4 & 5: APPROVED BLUE GRASS BLEND
  - ZONE 6: APPROVED FESCUE BLEND
  - ZONES 7 & 8: APPROVED BERMUDA BLEND
  - ZONES 9 & 10: APPROVED ST AUGUSTINE FLORATAM BLEND
- SOD SHALL BE RECENTLY MOWED TO A HEIGHT OF NOT LESS THAN 3 INCHES. IT SHALL BE CUT INTO STRIPS OF NOT LESS THAN 3 FEET AND NOT OVER 6 FT. WITH A UNIFORM WIDTH OF NOT OVER 24 INCHES.
- SOD SHALL BE CUT TO A DEPTH EQUAL TO THE GROWTH OF THE FIBROUS ROOTS BUT IN NO CASE LESS THAN 1 INCH.
- SOD SHALL BE DELIVERED TO THE JOB WITHIN 24 HOURS AFTER BEING CUT AND SHALL BE INSTALLED WITHIN 48 HOURS AFTER BEING CUT.
- BEFORE SOD IS PLACED, THE SOD BED WILL HAVE BEEN EXCAVATED TO SUCH A DEPTH THAT WHEN THE SOD IS IN PLACE THE TOP OF THE SOD WILL BE FLUSH WITH THE SURROUNDING GRADE.
- NO SOD SHALL BE PLACED WHEN THE TEMPERATURE IS BELOW 32 DEGREES F. NO FROZEN SOD SHALL BE PLACED NOR SHALL ANY SOD BE PLACED ON FROZEN SOIL. WHEN SOD IS PLACED BETWEEN THE DATES OF JUNE 1ST AND OCTOBER 15TH, IT SHALL BE COVERED IMMEDIATELY WITH A STRAW MULCH 1 INCH THICK (LOOSE MEASUREMENT).
- AFTER LAYING THE SOD SHALL BE WATERED THOROUGHLY AND TAMPED WITH APPROVED SOD TAMPERS SUFFICIENTLY TO BRING THE SOD INTO CLOSE CONTACT WITH THE SOD BED AND INSURE TIGHT JOINTS BETWEEN THE SECTIONS OR STRIPS.
- LAY SOD WITH STAGGERED JOINTS AND WITH SEAMS TIGHTLY FITTED TOGETHER. DO NOT COVER ANY UTILITIES.
- STAKE SOD ON GRADES EXCEEDING 4:1 AND IN DRAINAGE CHANNELS. STAKE EACH ROLL AT 2 FOOT INTERVALS OR AS REQUIRED TO PREVENT MOVEMENT DURING RAIN EVENTS.
- THE CONTRACTOR SHALL KEEP ALL SODDED AREAS INCLUDING SUBGRADE, THOROUGHLY MOIST FOR 30 DAYS AFTER SODDING.
- THE CONTRACTOR SHALL REPAIR ANY AREAS DAMAGED FOLLOWING INSTALLATION AS DIRECTED BY THE ENGINEER. SOD SHALL BE IN PLACE AT LEAST 30 DAYS BEFORE FINAL ACCEPTANCE.

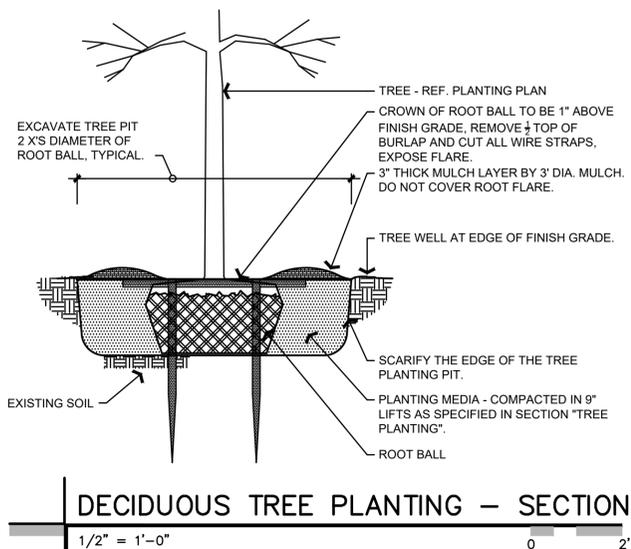
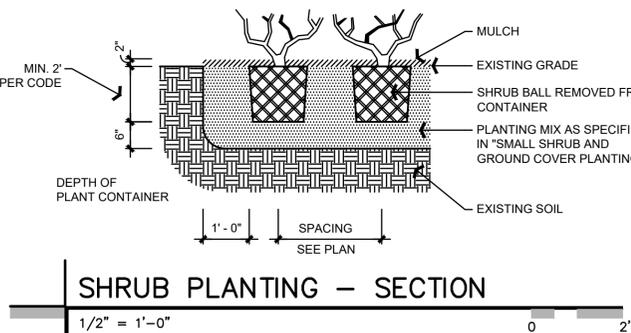
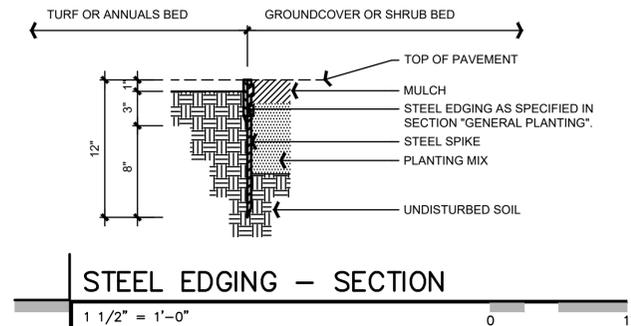
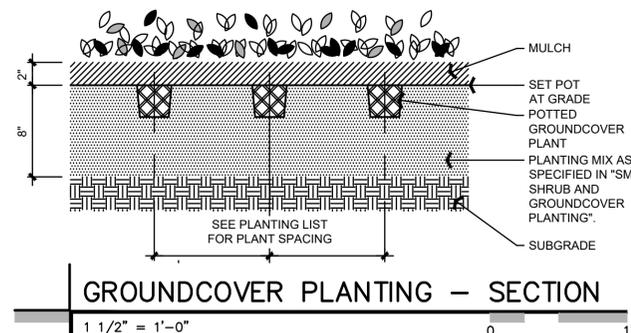
**GENERAL NOTE**

- ALL AREAS DISTURBED BY CONSTRUCTION THAT ARE WITHIN THE RIGHT-OF-WAY SHALL BE FINE GRADED TO MAINTAIN POSITIVE DRAINAGE. HAVE A 6" LAYER OF TOPSOIL APPLIED AND BE SEEDED ACCORDING TO SPECIFICATIONS ON THIS SHEET.

**PLANTING SCHEDULE**

- ALL PLANTING IS RECOMMENDED TO BE DONE WITHIN THE FOLLOWING DATES. WHEN PLANTING OUTSIDE THESE DATES, WRITTEN DOCUMENTATION SHALL BE PROVIDED THAT SURVIVAL OR REPLACEMENT WILL BE ENSURED. NO PLANTING SHALL BE DONE IN FROZEN SOIL.

NORMAL PLANTING SEASONS	SPRING	FALL
ALL TREES AND SHRUBS	APRIL 15 - MAY 30	SEPT. 1 - DEC. 31
EVERGREENS	APRIL 15 - MAY 30	SEPT. 1 - DEC. 31
GROUNDCOVERS	APRIL 1 - JULY 1	WHEN SOD IS WORKABLE
SEED AND MULCH	APRIL 15 - MAY 30	AUG. 15 - SEPT. 30



520 South Main Street, Suite 2531  
Akron, OH 44311  
330.572.2100 Fax 330.572.2101



DATE	REMARKS

CONTRACT DATE:  
BUILDING TYPE: END-20  
PLAN VERSION:  
BRAND DESIGNER:  
SITE NUMBER: 317219  
STORE NUMBER: 463810  
PA/PM: EA  
DRAWN BY.: JRS  
JOB NO.: 2024088.09

**TACO BELL**  
5917 W BROADWAY  
MCCORDSVILLE, IN 46055



LANDSCAPE NOTES & DETAILS

**L-001**

PLOT DATE:



DATE	REMARKS
12.05.24	DEVT. COMMENTS

CONTRACT DATE: END-20  
 BUILDING TYPE: END-20  
 PLAN VERSION:  
 BRAND DESIGNER:  
 SITE NUMBER: 317219  
 STORE NUMBER: 463810  
 PA/PM: EA  
 DRAWN BY.: JRS  
 JOB NO.: 2024088.09

**TACO BELL**  
 5917 W BROADWAY  
 MCCORDSVILLE, IN 46055



LANDSCAPE PLAN  
**L-101**

PLOT DATE:

- LANDSCAPE NOTES**
- ALL LANDSCAPE BED AREAS SHALL BE MULCHED PER LANDSCAPE SPECIFICATIONS.
  - ALL DISTURBED AREAS NOT TO BE PAVED OR MULCHED SHALL BE SODDED PER SPECIFICATIONS.

**LEGEND**  
 (SEE SHEET C-001 FOR GENERAL LEGEND)

- PROPOSED LANDSCAPE BED EDGE
- PROPOSED TREE
- PROPOSED SHRUB / PERENNIAL
- PROPOSED LIMESTONE BOULDER, DESERT SAND, 24"-36"
- PROPOSED PLANT QUANTITY AND SYMBOL
- PROPOSED SODDED LAWN
- PROPOSED RIVER ROCK MULCH, SEE LANDSCAPE SPECIFICATIONS ON SHEET L-001

**LANDSCAPE CALCULATIONS**

MCCORDSVILLE, IN - CODE OF ORDINANCES  
 154.119 - LANDSCAPING STANDARDS - (4) INTERIOR PARKING LOT PLANTINGS

CODE REQUIREMENT:  
 PARKING AREAS MUST BE SCREENED FROM PUBLIC ROW, EXISTING OR PLANNED PRIVATE STREET EASEMENT AND/OR ABOUT ANY SIDE OR REAR PROPERTY LINE. SCREENING SHALL BE 3' HIGH AT MATURITY WITH NO GAPS EXCEPT FOR DRIVE-AISLES, SIDEWALKS, AND THE LIKE. ONE TREE FOR EACH 50 LF SHALL BE PLANTED ALONG THE PERIPHERAL OF THE PARKING AREA.

PROJECT REQUIREMENT:  
 PARKING AREA LENGTH = 440 FT. / 50 = 8.8 SCREENING TREES REQUIRED

PROVIDED:  
 9 SCREENING TREES

MCCORDSVILLE, IN - CODE OF ORDINANCES  
 154.119 - LANDSCAPING STANDARDS - (4) INTERIOR PARKING LOT PLANTINGS

CODE REQUIREMENT:  
 NOT LESS THAN 5% OF THE PARKING LOT SHALL BE LANDSCAPED. LANDSCAPE BUFFERS AND LANDSCAPING ADJACENT TO BUILDINGS AND ON THE PERIPHERY OF THE PARKING LOT SHALL NOT BE INCLUDED TOWARD THE INTERIOR PARKING LOT PLANTING REQUIREMENTS.

PROJECT REQUIREMENT:  
 14,700 PARKING LOT SF X 5% = 735 SF INTERIOR PARKING LOT LANDSCAPING REQUIRED.

PROVIDED:  
 4,150 SF OF INTERIOR PARKING LOT LANDSCAPING

MCCORDSVILLE, IN - CODE OF ORDINANCES  
 154.119 - LANDSCAPING STANDARDS - (4) INTERIOR PARKING LOT PLANTINGS

CODE REQUIREMENT:  
 ONE SHADE TREE PER 2,400 SF OF SURFACE AREA IS REQUIRED.

PROJECT REQUIREMENT:  
 14,700 / 2,400 = 6.125 INTERIOR PARKING LOT TREES

PROVIDED:  
 5 INT. PARKING LOT SHADE TREES  
 4 INT. PARKING LOT ORNAMENTAL TREES = 2 SHADE TREES  
 7 TOTAL PARKING LOT SHADE TREES

**PLANT LIST**

SYMBOL	BOTANICAL NAME	COMMON NAME	QTY.	MIN. SIZE	CONDITION	REMARKS
<b>TREES</b>						
Ag	Amelanchier x grandiflora 'Autumn Brilliance'	'Autumn Brilliance' Serviceberry	4	8' Ht.	B&B	Multi-stem
Ar	Acer rubrum 'JFS-KW78'	'Armstrong Gold' Maple	9	2.5" Cal.	B&B	Specimen
Gt	Gleditsia triacanthos 'Draves'	'Street Keeper' Honey Locust	5	2.5" Cal.	B&B	Matching
<b>SHRUBS</b>						
Bg	Buxus 'Green Velvet'	Green Velvet Boxwood	66	36" Ht. Min.	Cont.	3' o/c
Hb	Hemerocallis 'Going Bananas'	Going Bananas Daylily	86	No. 1	Cont.	2' o/c
Iv	Itea virginica 'Sprich'	Little Henry Virginia Sweetspire	27	24" Ht. Min.	Cont.	2.5' o/c
Sn	Spiraea japonica 'Neon Flash'	Neon Flash Spirea	29	24" Ht. Min.	Cont.	3' o/c
Sd	Spiraea japonica 'Double Play Doozie'	Double Play Doozie Spirea	76	24" Ht. Min.	Cont.	3' o/c
To	Thuja occidentalis 'Emerald'	Emerald Arborvitae	16	6" H	B&B	4' o/c
Yf	Yucca filamentosa 'Color Guard'	Color Guard Yucca	6	No. 3	Cont.	Per Plan

