

DEVELOPMENT PLAN FOR

THE SHOPS at BROOKSIDE - BLOCK A

PHASE II - SOUTH BUILDING

SWC CR N 600 W & CR W 900 N, McCORDSVILLE IN 46055



PROJECT LOCATION

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C5.0	UTILITY PLAN
C7.0-C7.2	GENERAL DETAILS
C9.0	SPECIFICATIONS
L1.0	LANDSCAPE PLAN
E101	SITE LIGHTING PLAN (BY OTHERS)
TOPO	TOPOGRAPHIC SURVEY BY CROSSROAD ENGINEERS (03/11/2024)

REFERENCE STANDARDS/SPECIFICATIONS:

TOWN OF MCCORDSVILLE CONSTRUCTION STANDARDS & SPECIFICATIONS (10 SHEETS)
CITIZENS ENERGY GROUP WATER STANDARDS MANUALS

PROJECT DEVELOPER:
BDC REALTY GROUP, LLC
6274 S Fox Chase
Pendleton, Indiana 46064

ENGINEER:

CivilSite
GROUP, INC.

718 Adams Street, Suite E
Carmel, Indiana 46032
Phone: (317) 810-1677
Email: bcross@civilsite.net

ARCHITECT:
INTEGRITY DESIGN, LLC
3128 Nichol Avenue
Anderson, Indiana 46011
Ph: (765) 608-3001

SURVEYOR:

Crossroad Engineers, P.C.
3417 Sherman Drive
Beech Grove, IN 46107
Contact: G.W. Charles, PE, PS
Phone: (317) 780-1555
Email: gwcharles@crossroadengineers.com

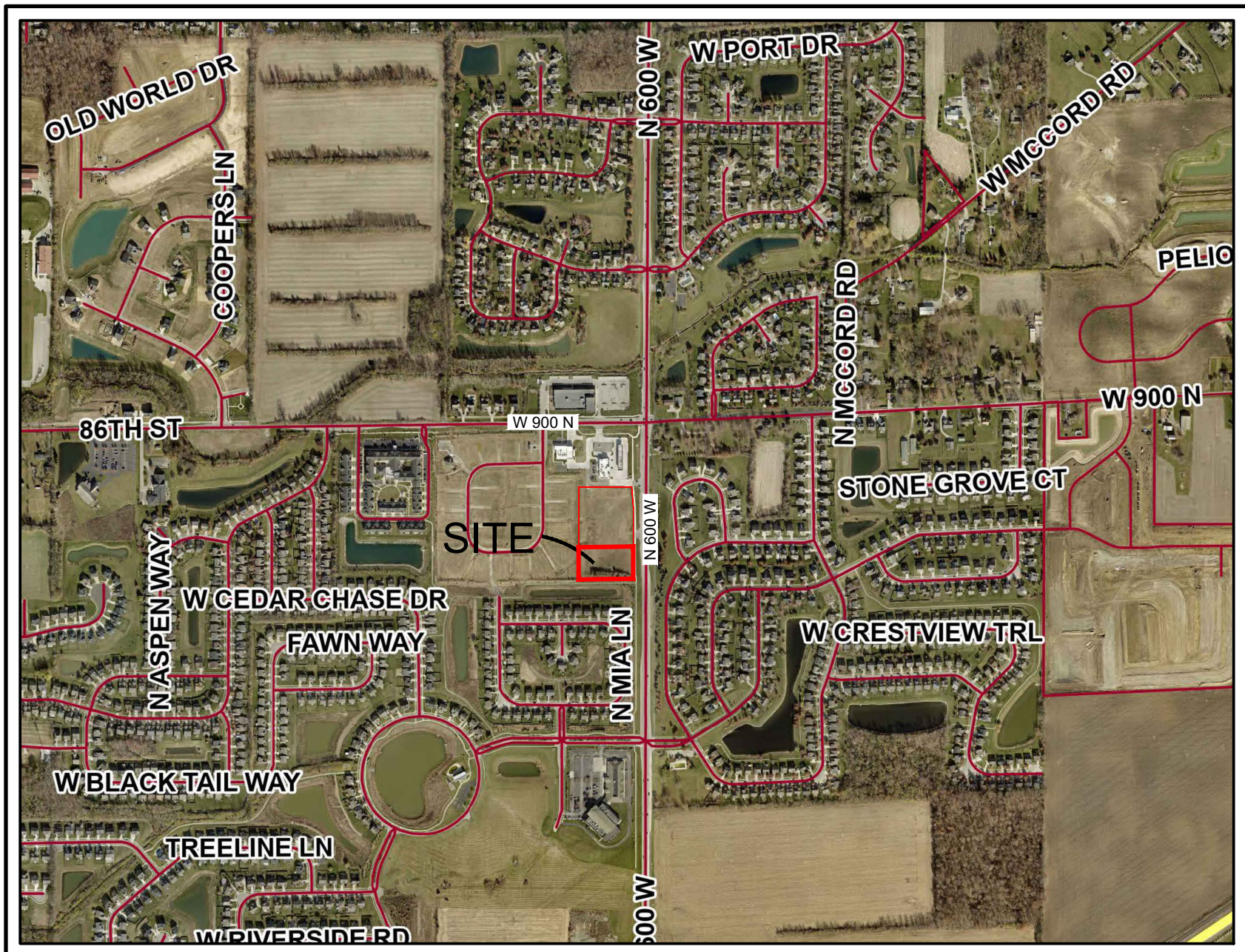
Drainage & Streets:
Town of McCordsville - Engineering
6280 W 800 N
McCordsville, IN 46055
(317) 335-3604

Electric / Telecom:
NineStar Connect - Rusty Hansen
2243 E Main St,
Greenfield, IN 46140
(317) 326-3131
KHansen@ninestarconnect.com

Natural Gas:
Centerpoint Energy

Wastewater & Water:
Citizens Energy Group/CWA Authority, Inc.
2150 Dr. Martin Luther King Jr St
Indianapolis, IN 46202
Brad Hostetler - (317) 927-4351
bhostetler@citizensenergygroup.com

Streets:
Town of McCordsville
Hancock County Highway Department



VICINITY MAP
SCALE: 1" = 1000'
NORTH

LAND DESCRIPTION

BLOCK A IN THE VILLAGES OF BROOKSIDE SECTION 16 RECORDED
AS INSTRUMENT NO. 2022-12878, PLAT CABINET D, PAGE 210 IN THE
RECORDER'S OFFICE OF HANCOCK COUNTY, INDIANA.

DEVELOPMENT SUMMARY

PROPOSED USE: RETAIL-MEDIUM
BUILDING(S) GROSS SQUARE FOOTAGE: = 10,206± S.F.
TOTAL SITE AREA = 5.69± Ac.
OPEN SPACE AREA = x.xx± Ac. (xx% of TOTAL LOT AREA)
IMPERVIOUS AREA COVERAGE = x.xx± Ac. (xx%)
CURRENT ZONING = VILLAGES AT BROOKSIDE PUD-AMENDMENT

PARKING SPACES PROVIDED = 77
PARKING SPACES REQUIRED = 34 (1 SPACE / 300 GSF)

ANTICIPATED CONSTRUCTION START/END DATE:
OCTOBER, 2025 / JULY 2026

DRAINAGE TILE NOTE

ALL DRAINAGE TILES ENCOUNTERED ON PROJECT
SITE WILL BE PROVIDED A POSITIVE OUTLET.

STANDARDS

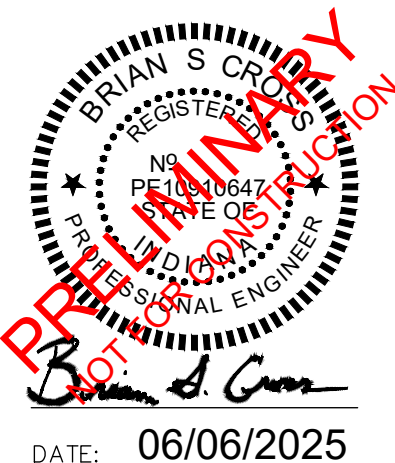
THE TOWN OF MCCORDSVILLE & INDOT STANDARDS SHALL
BE INCORPORATED BY REFERENCE INTO THESE PLANS FOR
CONSTRUCTION ACTIVITY THROUGHOUT THE SITE AND INDOT
RIGHT-OF-WAY

SPECIFICATIONS

NO ALTERNATE SPECIFICATIONS OR MATERIALS OR NEW MATERIALS
MAY BE USED WITHOUT THE EXPRESS WRITTEN APPROVAL FROM
THE TOWN OF PENDLETON PRIOR TO THE COMPLETION OF WORK.

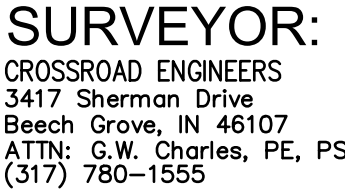
INDIANA DEPARTMENT OF TRANSPORTATION LATEST
EDITION OF SPECIFICATIONS & STANDARDS TO BE USED
DURING CONSTRUCTION WITH THESE PLAN DOCUMENTS

REVISION RECORD				
REV	DATE	DESCRIPTION	DES BY	APP BY
1	07/01/25	REV. PER TAC REVIEW	BSC	BSC



CSG PROJECT NUMBER
BRG.007

DRAWING NUMBER
C0.0
SHEET 1 OF 24



CONTRACTOR TO VERIFY ALL EXISTING
CONDITIONS, INCLUDING UTILITIES AND
DRAINAGE INFRASTRUCTURE BEFORE
COMMENCING WITH CONSTRUCTION.
CONTRACTOR TO NOTIFY ENGINEER OF
ANY DISCREPANCIES.

ALL EXISTING HORIZONTAL AND VERTICAL INFORMATION HAS BEEN SHOWN PER A TOPOGRAPHIC SURVEY DATED 03/11/2024 PREPARED BY CROSSROAD ENGINEER, P.C.; THEREFORE, CIVIL SITE GROUP, INC. CANNOT BE HELD RESPONSIBLE IF ACTUAL HORIZONTAL AND VERTICAL DATA IS DIFFERENT FROM THAT SHOWN ON THESE PLANS. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL EXISTING CONDITIONS PRIOR TO COMMENCING WITH CONSTRUCTION.

THIS LOT LIES ENTIRELY IN FLOOD HAZARD
ZONE "X" AS SCALED FROM THE FLOOD
INSURANCE RATE MAP (FIRM) FOR HANCOCK
COUNTY, INDIANA, COMMUNITY NUMBER
180468, MAP NUMBER 18059C0016D, PANEL
NUMBER 0016 D, DATED DECEMBER 4, 2007.

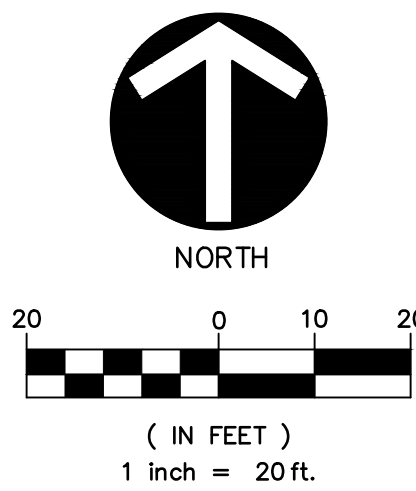
REFERENCE NFIP FIRM MAP #18059C0016D,
EFFECTIVE DATE: DECEMBER 4, 2007

REFER TO ARCHITECTURAL
& FOUNDATION PLANS FOR
ALL BUILDING DIMENSIONS.

CONTRACTOR TO VERIFY THE DEPTH AND LOCATION OF ALL EXISTING UTILITIES PRIOR TO COMMENCING CONSTRUCTION. PROPOSED DRIVEWAY CUTS MAY REQUIRE EXISTING UTILITY FACILITIES TO BE LOWERED AND/OR RELOCATED IN ORDER TO MAINTAIN MINIMUM STANDARDS OF COVER / VERTICAL SEPARATION, INCLUDING WATER, GAS, POWER, AND TELECOM.

CONTRACTOR TO CONSTRUCT ALL APPLICABLE SITE IMPROVEMENTS TO THE TOWN OF MCCORDSVILLE CURRENT STANDARDS PER THE ATTACHED STANDARD DETAIL SHEETS.

ALL TRUNCATED DOME PLATES SHALL BE
BLACK IN COLOR



PROPOSED USE: RETAIL-MEDIUM
BUILDING(S) GROSS SQUARE FOOTAGE: = 10,206± S.F.
TOTAL SITE AREA = 5.69± Ac.
OPEN SPACE AREA = x.xx± Ac. (xx% of TOTAL LOT AREA)
IMPERVIOUS AREA COVERAGE = x.xx± Ac. (xx%)
CURRENT ZONING = VILLAGES AT BROOKSIDE PUD-AMENDMENT

PARKING SPACES PROVIDED = 77
PARKING SPACES REQUIRED = 34 (1 SPACE / 300 GSF)

ANTICIPATED CONSTRUCTION START/END DATE:
OCTOBER, 2025 / JULY 2026

— R/W —

==//==

PROPERTY BOUNDARY OR R/W (REFER TO ALTA/NSPS SURVEY,
SAWCUT LIMITS (WHERE NECESSARY--TO BE CONFIRMED WITH IN

OF PARKING SPACES IN ROW

LIGHT DUTY ASPHALT PAVEMENT. SEE DETAIL 03/C7.0
1.5" - 110#/SYD. HMA BITUMINOUS SURFACE 9.5mm ON
2 - 330#/SYD. HMA BITUMINOUS INTERMEDIATE 19.0mm ON
6" COMPACTED AGGREGATE #3 BASE ON ENGR. APPROVED
GEGRID** ON COMPACTED SUBGRADE OR TREATED SUBGRADE.
** DESIGNATES CONSTRUCTION ALTERNATE IF DETERMINED IS
NEEDED AFTER RESULTS OF SUBGRADE PROOF ROLL

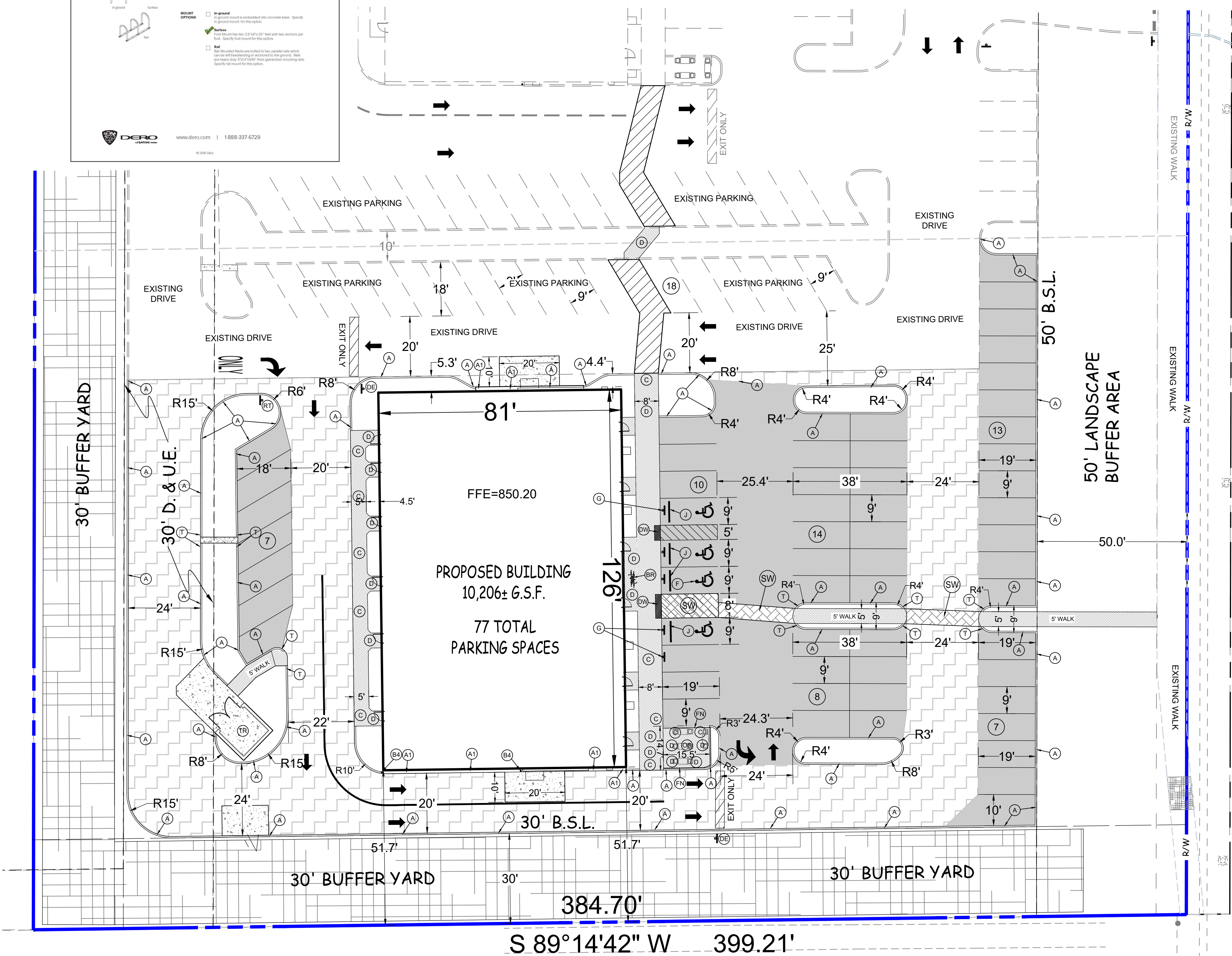
HEAVY DUTY ASPHALT PAVEMENT. SEE DETAIL 02/C7.0
1.5" - 110#/SYD. HMA BITUMINOUS SURFACE 9.5mm ON
3" - 330#/SYD. HMA BITUMINOUS INTERMEDIATE 19.0mm ON
8" COMPACTED AGGREGATE #53 BASE ON ENGR. APPROVED
GEOTRID** ON COMPACTED SUBGRADE OR TREATED SUBGRADE.
** DESIGNATES CONSTRUCTION ALTERNATE IF DETERMINED IS
NEEDED AFTER RESULTS OF SUBGRADE PROOF ROLL

PROPOSED CONCRETE PAVEMENT. SEE DETAIL 01/C7.0
8" CONC. PAVEMENT ON
SUBGRADE TREATMENT TYPE II - (6" COMPACTED COARSE AGGREGATE
INDOT #53 STONE) ON COMPACTED SUBGRADE
PROPOSED CONCRETE SIDEWALK

PROPOSED PAINTED DIAGONAL
STRIPED ISLAND

(A)	6" STRAIGHT CONC. CURB. SEE DETAIL 05/C7.0
(A1)	1'-2" WIDE STRAIGHT CONC. CURB/WALK ALONG SOUTH BUILDING WALL
(A2)	2'-4" WIDE STRAIGHT CONC. CURB/WALK ALONG NORTH BUILDING WALL
(B#)	4" OR 6" CONC. FILLED BOLLARD PAINTED GLOSS BLACK AS DENOTED SEE DETAIL 17/C7.0
(BR)	DERO HOOP RACK RICE RH-FT-EPX BLACK
(C)	COMBINED CURB & WALK. SEE DETAIL 04/C7.0
(DE)	CONCRETE SIDEWALK. SEE DETAIL 07/C7.2
(D)	"DO NOT ENTER" SIGN, R5-1 (30"x30")
(DW)	DETECTABLE WARNING STRIP (COLOR BLACK). SEE DETAIL 06/C7.0
(FL)	FLUSH WITH PAVEMENT
(F)	TYPICAL PARKING SPACE MARKING. SEE DETAILS 08 & 10/C7.0
(G)	TRAFFIC SIGNAGE. SEE DETAIL 15 & 16/C7.0
(J)	PRECAST CONC. WHEEL STOPS (QTY 5)
(T)	TAPER CURB FLUSH INTO WALK/PAVEMENT
(TR)	TRASH ENCLOSURE. REFER TO ARCH. PLANS FOR DETAILS
(SS)	STOP SIGN, R1-1 (30"x30")
(SW)	COLORLED CONCRETE PAVEMENT (MATCH LEO'S) FOR PEDESTRIAN WALKWAYS: 6" CONC W/ WWF (1.6x1.6), OR F.R.; ON 6" COMP. #53 STONE; ON COMPACTED SUBGRADE
(RT)	"RIGHT TURN ONLY" SIGN
(OS)	OUTDOOR SEATING AREA. REFER TO ARCH. PLANS FOR DETAILS
(FN)	OUTDOOR SEATING FENCING. REFER TO ARCH. PLANS FOR DETAILS

1. ALL CONSTRUCTION METHODS AND MATERIALS MUST CONFORM TO CURRENT STANDARDS AND SPECIFICATIONS OF THE FEDERAL, STATE, COUNTY, CITY, OR LOCAL REQUIREMENTS, WHICHEVER HAS JURISDICTION.
2. ALL PARKING STRIPES ARE TO BE 4" PAINTED WHITE. UNLESS OTHERWISE NOTED OTHERWISE, ALL DIMENSIONS ARE TO BE AS SHOWN.
3. ALL DIMENSIONS ARE TO EDGE OF PAVEMENT, FACE OF CURB/SIDEWALK, RADIi TO BACK OF CURB, WHERE APPLICABLE.
4. ALL DIMENSIONS ARE TO OUTSIDE FACE OF BRICK OR FACING MATERIAL, WHERE APPLICABLE. CONTRACTOR TO REFER TO ARCHITECTURAL DRAWINGS FOR ACTUAL BUILDING DIMENSIONS.
5. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND ELEVATIONS IN THE FIELD PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FIELD ERRORS AND ELEVATIONS DURING THE ENTIRE CONSTRUCTION SCHEDULE. IF ANY DISCREPANCIES ARE FOUND IN THESE PLANS FROM ACTUAL FIELD DIMENSIONS, THE CONTRACTOR SHALL CONTACT THE DESIGNER IMMEDIATELY.
6. PROVIDE SMOOTH TRANSITION FROM NEWLY PAVED AREAS TO EXISTING AREAS IF NECESSARY. AREAS WHERE PROPOSED PAVEMENT MEETS EXISTING PAVEMENT, THE EXISTING EDGE OF PAVEMENT SHALL BE FREE OF ALL LOOSE DEBRIS. THE EDGE OF EXISTING ASPHALT PAVEMENT SHALL BE PROPERLY SEAMED AT A TACK COAT. THERE SHALL BE NO AREAS WHERE NEW ASPHALT PAVEMENT IS INDICATED TO JOIN EXISTING.
7. ALL EXCAVATED AREAS TO BE SEEDDED AND/OR SODDED AFTER FINISH GRADING UNLESS OTHERWISE NOTED. ALL NEWLY SODDED/SEEDDED AREAS SHALL BE A MINIMUM OF 10' WIDE. CONTRACTOR TO HOLD SLOE DOWN 1' FROM PAVEMENT ELEVATION. CONTRACTOR TO SUPPLY STRAW MULCH WHERE GRASS SEED HAS BEEN PLANTED.
8. RESURFACE OR RECONSTRUCT AT LEAST TO ORIGINAL CONDITIONS ALL AREAS WHERE TRAFFIC BY CONTRACTORS, SUBCONTRACTORS OR SUPPLIERS HAVE CAUSED DAMAGE TO EXISTING PAVEMENT. CONTRACTOR TO IMPROVEMENTS DURING CONSTRUCTION. AFTER CONSTRUCTION WORK IS COMPLETE.
9. ALL UTILITY TRENCHES WITHIN 5 FEET OF PAVEMENT SHALL BE COMPLETELY BACKFILLED WITH GRANULAR BACKFILL.
10. ALL RADIi INDICATED SHALL BE CONSTRUCTED AS CIRCULAR ARCS.
11. ALL PARKING SPACE DIMENSIONS ARE TO BE 9' WIDE BY 19' DEEP UNLESS OTHERWISE SPECIFIED.



THE SHOPS at BROOKSIDE - BLOCK A

CK 000 W
McCORDSVILLE, IN 46055

SITE PLAN

PHASE II - SOUTH BUILDING

PROJECT NUMBER
BRG 007

DRAWING NUMBER
C2.0
SHEET 2 OF 24



CASTING NOTE

STORM INLET CASTINGS TO REQUIRE A "NO DUMPING" MESSAGE PER THE TOWN OF MCCORDSVILLE STANDARDS.

BENCHMARK

SITE BENCHMARKS:
(LOCATIONS SHOWN ON SURVEY)

TBM #400 CUT "X" ON WEST ANCHOR BOLT OF SIGNAL POLE, LOCATED IN SOUTHWEST QUAD OF "CR 900 N" AND "CR 600 W".

ELEV. = 850.90 (NAVD 88)

TOPOGRAPHIC & BOUNDARY NOTE

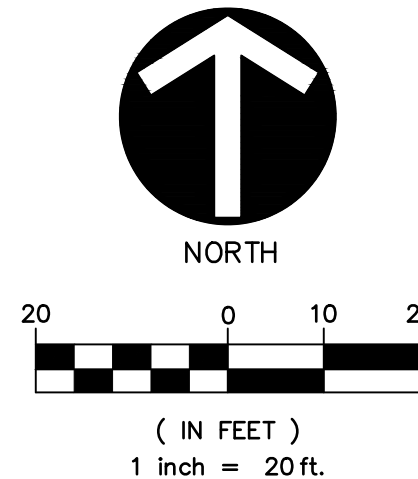
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FLOOD NOTE

THIS LOT LIES ENTIRELY IN FLOOD HAZARD ZONE "X" AS SCALED FROM THE FLOOD INSURANCE RATE MAP (FIRM) FOR HANCOCK COUNTY, INDIANA, COMMUNITY NUMBER 180468, MAP NUMBER 18059C0016D, PANEL NUMBER 0016 D, DATED DECEMBER 4, 2007. REFERENCE NFIP FIRM MAP #18059C0016D, EFFECTIVE DATE: DECEMBER 4, 2007

STORM SEWER SYSTEM NOTE

ALL ON-SITE STORM SEWER INFRASTRUCTURE TO BE CONSTRUCTED WITH THIS PROJECT SHALL BE PRIVATELY OWNED AND MAINTAINED.



REVISION RECORD

REV	DATE	DESCRIPTION	DES. BY	APP. BY
1	07/01/25	REV. PER TAC REVIEW	BSC	BSC

PLAN NOTES:

- (R1) APPROX. 35± LF OF 8" PVC (SDR35 @ 0.0% MIN. SLOPE) ROOF DRAIN LEADER WITH RISERS, ADAPTERS FOR CONNECTIONS, BENDS, FITTINGS, & CLEANOUTS AT BENDS > 22.5' FOR ROOF CONNECTIONS; REDUCE TO 6" TO BLDG. DOWNSPOUTS
- (R2) APPROX. 90± LF OF 8" PVC (SDR35 @ 0.75% MIN. SLOPE) ROOF DRAIN LEADER WITH RISERS, ADAPTERS FOR CONNECTIONS, BENDS, FITTINGS, & CLEANOUTS AT BENDS > 22.5' FOR ROOF CONNECTIONS; REDUCE TO 6" TO BLDG. DOWNSPOUTS
- (R3) APPROX. 25± LF OF 6" PVC (SDR35 @ 0.75% MIN. SLOPE) ROOF DRAIN LEADER WITH RISERS, ADAPTERS FOR CONNECTIONS, BENDS, FITTINGS, & CLEANOUTS AT BENDS > 22.5' FOR ROOF CONNECTIONS; REDUCE TO 6" TO BLDG. DOWNSPOUTS
- (FL) FLUSH WITH PAVEMENT

LEGEND:

- R/W — PROPERTY BOUNDARY OR R/W (REFER TO ALTA/NSPS SURVEY)
- PROPOSED STORM SEWER
- PROPOSED INLET SUB-SURFACE DRAIN / ROOF DRAINS
- PROPOSED STORM STRUCTURE
- EX. UNDERGROUND STORM SEWER LINE
- PROPOSED SPOT ELEVATION
- PROPOSED TOP OF CURB ELEVATION
- PROPOSED PVMT ELEVATION
- ME MATCH EXISTING GRADE
- TC TOP OF CURB/STORM CASTING ELEVATION
- INV STORM SEWER INVERT ELEVATION
- 849 — PROPOSED CONTOUR
- 850 — EXISTING CONTOUR
- — PROPOSED DRAINAGE SWALE
- EXISTING SITE OVERFLOW ROUTING

GENERAL NOTES

CONTRACTOR TO KEEP EXISTING PAVEMENT SURROUNDING THE SITE (CR N 600 W) "BROOM CLEAN" AND FREE OF SOIL OR AGGREGATE THAT MIGHT BE BROUGHT OFF-SITE.

DEPENDING ON THE CONSTRUCTION SEASON, MOISTURE CONTENT AND PROPERTIES OF THE SOILS ON SITE, CHEMICAL MODIFICATIONS AND/OR LIME STABILIZATION MAY BE REQUIRED. SEE SHEET C9.0 FOR SPECIFICATIONS.

ALL CONCRETE PIPE JOINTS SHALL BE CONTINUOUS O-RING RUBBER GASKET CONFORMING TO ASTM C 443

CONTRACTOR SHALL SUBMIT PRECAST STORM SEWER STRUCTURE SHOP DRAWINGS TO ENGINEER FOR REVIEW/APPROVAL PRIOR TO MANUFACTURING.

GRADING NOTES

- ALL CONSTRUCTION METHODS AND MATERIALS MUST CONFORM TO CURRENT STANDARDS AND SPECIFICATIONS OF THE FEDERAL, STATE, COUNTY, CITY OR LOCAL REQUIREMENTS, WHICHEVER HAS JURISDICTION.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO STARTING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FIELD DIMENSIONS. IF ANY DISCREPANCIES ARE FOUND IN THESE PLANS FROM THE ACTUAL FIELD CONDITIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY.
- THE EXCAVATING CONTRACTOR MUST TAKE PARTICULAR CARE WHEN EXCAVATING IN AND AROUND EXISTING UTILITY LINES AND EQUIPMENT. VERIFY COVER REQUIREMENTS BY UTILITY CONTRACTORS AND/OR UTILITY COMPANIES. AS NOT TO CAUSE DAMAGE.
- THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES 72 HOURS BEFORE CONSTRUCTION IS TO START TO VERIFY IF ANY UTILITIES ARE PRESENT ON SITE. ALL VERIFICATIONS (LOCATION, SIZE AND DEPTH) SHALL BE MADE BY THE APPROPRIATE UTILITY COMPANIES. WHEN EXCAVATING IS AROUND OR OVER EXISTING UTILITIES, THE CONTRACTOR MUST NOTIFY THE UTILITY COMPANY SO A REPRESENTATIVE OF THAT UTILITY COMPANY CAN BE PRESENT TO INSTRUCT AND OBSERVE DURING CONSTRUCTION.
- TRENCHES FOR ALL STORM DRAIN LINES SHALL BE BACKFILLED COMPLETELY WITH ENGINEERED GRANULAR MATERIAL IF WITHIN 5 FEET OF PAVEMENT.
- AFTER STRIPPING TOPSOIL MATERIAL, PROOFROLL WITH A MEDIUM WEIGHT ROLLER TO DETERMINE LOCATIONS OF ANY POCKETS OF UNSUITABLE MATERIAL. THE NECESSITY FOR SUBDRAINS AND/OR REMOVAL OF ANY UNSUITABLE MATERIAL WITHIN THE PROPOSED PARKING AREAS WILL BE DETERMINED AT THE TIME OF CONSTRUCTION.
- PROVIDE POSITIVE DRAINAGE WITHOUT PONDING, IN ALL AREAS, AFTER INSTALLATION. CONTRACTOR TO TEST FOR, AND CORRECT, IF ANY, "BIRD BATH" CONDITIONS.
- SEE APPROPRIATE DETAILS TO DETERMINE SUBGRADE ELEVATIONS BELOW FINISH GRADE ELEVATIONS INDICATED.
- FLOW LINE ELEVATIONS GIVEN AT END OF CONCRETE END SECTIONS.
- SIDEWALK AGAINST BUILDING SHALL SLOPE AWAY FROM BUILDING AT 1.04% SLOPE MIN.

GRADING & UTILITY NOTE

CONTRACTOR TO VERIFY THE DEPTH AND LOCATION OF ALL EXISTING UTILITIES PRIOR TO COMMENCING CONSTRUCTION. PROPOSED DRIVEWAY CUTS MAY REQUIRE EXISTING UTILITY FACILITIES TO BE LOWERED AND/OR RELOCATED IN ORDER TO MAINTAIN MINIMUM STANDARDS OF COVER / VERTICAL SEPARATION, INCLUDING WATER, GAS, POWER, AND TELECOM.

DEVELOPER:

BDC REALTY GROUP, LLC
6274 SOUTH FOX CHASE
PENDLETON, INDIANA 46064
ATTN: DAVE CRAVENS
(765) 635-5559

ENGINEER:

CIVIL SITE GROUP, INC.
718 ADAMS STREET
CARMEL, INDIANA 46032
(317) 810-1677

SURVEYOR:

CROSSROAD ENGINEERS
3417 Sherman Drive
Beech Grove, IN 46107
ATTN: G.W. Charles, PE, PS
(317) 780-1555

THE SHOPS at BROOKSIDE - BLOCK A

CR 600 W

MCCORDSVILLE, IN 46055

GRADING & DRAINAGE PLAN

PHASE II - SOUTH BUILDING

PROJECT NUMBER
BRG.007

DRAWING NUMBER
C3.0
SHEET 3 OF 24

BDC REALTY GROUP, LLC

6274 S FOX CHASE

PENDLETON, IN 46064

CIVIL SITE GROUP, INC.

718 Adams Street, Suite E

Carmel, Indiana 46032

Ph: (317) 810-1677

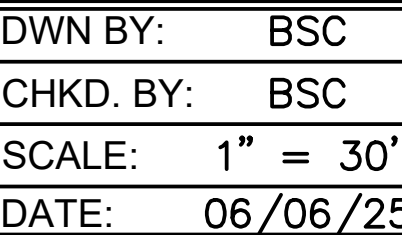


DWN BY: BSC

CHKD. BY: BSC

SCALE: 1" = 20'

DATE: 06/06/25





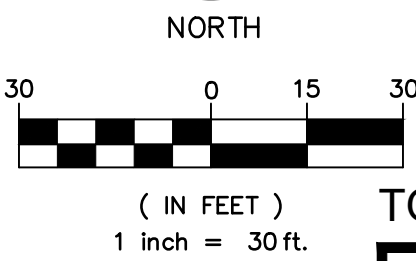
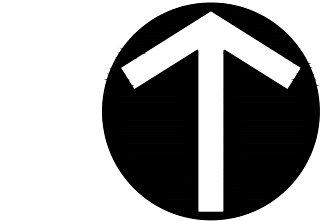
SOILS DESCRIPTIONS & LIMITATIONS

1. **Crosby Silt Loom (YcuA – 32.7% Site)** The Crosby series consists of very deep, somewhat poorly drained soils that are moderately deep to dense till on till plains. These soils formed in loamy till that can be capped with up to 22 inches of loess or silty material. Permeability is moderate or moderately slow in and above the argillic horizon and slow or very slow below the argillic horizon. Slope ranges from 0 to 6 percent. Subject soil does not present any foreseeable limitations to the proposed development.
2. **Brookston Silty Clay Loom (YbvA – 67.3% Site)** The Brookston series consists of very deep, poorly drained soils formed in up to 20 inches of silty material and the underlying loamy till in depressions on till plains and moraines. Permeability is moderate in the subsoil and moderately slow in the underlying material. Slope ranges from 0 to 3 percent. Subject soil does not present any foreseeable limitations to the proposed development. Given that this soil typically shows high moisture content and is a hydric soil, permeability may be moderate, soil chemical modifications (i.e. lime stabilization) may likely be required.

SWPP TRAINED INDIVIDUAL:

Self-inspections - A trained individual shall perform visual inspections of the project site. A trained individual is an individual who is trained and experienced in the principles of stormwater management, including erosion and sediment control as is demonstrated by completion of coursework, state registration, professional certification, or annual training that enable the individual to make judgments regarding stormwater management, treatment, and monitoring.

- 1) The frequency of self-inspections are:
 - a. At least once every work week;
 - b. Within twenty-four (24) hours after qualifying precipitation event, which is precipitation accumulation equal to, or greater than, one-half (0.50) inch of rainfall within a 24-hour period. Inspections that were conducted twenty-four (24) hours prior to a qualifying precipitation event meet this requirement.
 - c. If there are multiple qualifying precipitation events occur during the week no more than three (3) inspections are required within that week.



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TOPOGRAPHIC & BOUNDARY NOTE

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DEVELOPMENT SUMMARY

TOTAL SITE AREA = 5.69± ACRES
TOTAL DISTURBED AREA = 1.7± ACRES

TOWN OF MCCORDSVILLE STANDARDS

CONTRACTOR TO CONSTRUCT ALL APPLICABLE SITE IMPROVEMENTS TO THE TOWN OF MCCORDSVILLE CURRENT STANDARDS PER THE ATTACHED STANDARD DETAIL SHEETS.

DEWATERING DISCHARGE

ALL DEWATERING PUMPING SHALL BE DISCHARGED INTO AN APPROVED FILTER BAG BEFORE RELEASING INTO THE EXISTING STORM SEWER SYSTEM AND/OR R/W SWALE.

GENERAL NOTES

1. CONTRACTOR TO SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE TOWN OF MCCORDSVILLE AND/OR HANCOCK COUNTY SOIL & WATER CONSERVATION DISTRICT PRIOR TO COMMENCING WITH CONSTRUCTION.
2. TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION TO CONFORM TO APPLICABLE LOCAL AND STATE STANDARDS.
3. ALL CONSTRUCTION ACTIVITY ON THIS SITE TO BE PERFORMED IN COMPLIANCE WITH APPLICABLE O.S.H.A. STANDARDS FOR WORKER SAFETY.
4. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY ALL UTILITY LOCATIONS BEFORE CONSTRUCTION BEGINS.
5. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY ALL EXISTING ELEVATIONS BEFORE CONSTRUCTION BEGINS.

ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED IN THE FIELD BY THE INSPECTOR

EROSION CONTROL NOTES

1. ALL CONSTRUCTION METHODS AND MATERIALS MUST CONFORM TO CURRENT STANDARDS AND SPECIFICATIONS OF THE FEDERAL, STATE, COUNTY, CITY OR LOCAL REQUIREMENTS, WHICHEVER HAS JURISDICTION.
2. LAND ALTERATION WHICH STRIPS THE LAND OF VEGETATION, INCLUDING REGRADING, SHALL BE DONE IN A WAY THAT WILL MINIMIZE EROSION.
3. THIS PLAN SHALL NOT BE CONSIDERED ALL INCLUSIVE AS THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT SOIL SEDIMENT FROM LEAVING THE SITE. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED IF DEEMED NECESSARY BY ON-SITE INSPECTION.
4. SEDIMENT LADEN WATER SHALL BE DETAINED BY EROSION CONTROL PRACTICES AS NEEDED TO MINIMIZE SEDIMENTATION IN THE RECEIVING STREAM. NO STORM WATER SHALL BE DISCHARGED FROM THE SITE IN A MANNER THAT CAUSES EROSION AT THE POINT OF DISCHARGE.
5. WASTES AND UNUSED BUILDING MATERIALS SHALL NOT BE ALLOWED TO BE CARRIED FROM THE SITE BY STORMWATER RUNOFF. PROPER DISPOSAL OF ALL WASTES AND UNUSED BUILDING MATERIALS IS REQUIRED.
6. SEDIMENT BEING TRACED ONTO PUBLIC OR PRIVATE ROADWAYS SHALL BE MINIMIZED. CLEARING OF ACCUMULATED SEDIMENT SHALL NOT INCLUDE FLUSHING WITH WATER. CLEARED SEDIMENT SHALL BE RETURNED TO THE SITE FOR DISPOSAL.
7. SOIL WHICH HAS ACCUMULATED NEXT TO EROSION CONTROL DEVICES SHALL BE COLLECTED AND REDISTRIBUTED ON SITE AFTER EACH RAINFALL EVENT, AND AT LEAST ONCE A WEEK.
8. IF INSTALLATION OF STORM DRAINAGE SYSTEM SHOULD BE INTERRUPTED BY WEATHER OR NIGHTFALL, THE PIPE ENDS SHALL BE COVERED WITH FILTER FABRIC.
9. ALL EXISTING STRUCTURES, FENCING, TREES AND ETC., WITHIN CONSTRUCTION AREA SHALL BE REMOVED AND DISPOSED OF OFF SITE. BURNING IS NOT ALLOWED ON-SITE.
10. SCHEDULE OF EARTHWORK ACTIVITIES:
 - a) THE DURATION OF TIME WHICH AN AREA REMAINS EXPOSED SHALL BE KEPT TO A PRACTICAL MINIMUM. THE AREA SHALL BE STABILIZED SOON AS POSSIBLE. TEMPORARY VEGETATION OR MULCHING SHALL BE USED TO PROTECT EXPOSED AREAS IF PERMANENT VEGETATION CANNOT BE SEEDED WITHIN 14 DAYS OR ACTIVITY CEASES FOR MORE THAN 21 DAYS OR AS DIRECTED BY THE ENGINEER.
 - b) TOPSOIL REPLACEMENT SHALL TAKE PLACE FROM MARCH 1 TO OCTOBER 31. STOCKPILE TOPSOIL AT ALL OTHER TIME OF THE YEAR. PERMANENT AND FINAL VEGETATION AND STRUCTURAL EROSION CONTROL DEVICES SHALL BE INSTALLED WITHIN SEVEN (7) DAYS AFTER FINAL GRADING OR AS SOON AS POSSIBLE.

MULCHING NOTE

WHERE REQUIRED, CRIMPED/ANCHORED MULCH OR MULCH WITH A TACKING AGENT SHALL BE USED. THE APPLICATION RATE SHOULD MEET GUIDELINES PER PRACTICE 5.15 OF THE INDIANA HANDBOOK FOR EROSION CONTROL IN DEVELOPING AREAS.

STREET EROSION NOTE

THERE SHALL BE NO DIRT, DEBRIS, OR STORAGE OF MATERIALS IN THE SURROUNDING STREETS DURING THE CONSTRUCTION PROCESS.

EROSION CONTROL CONTACT

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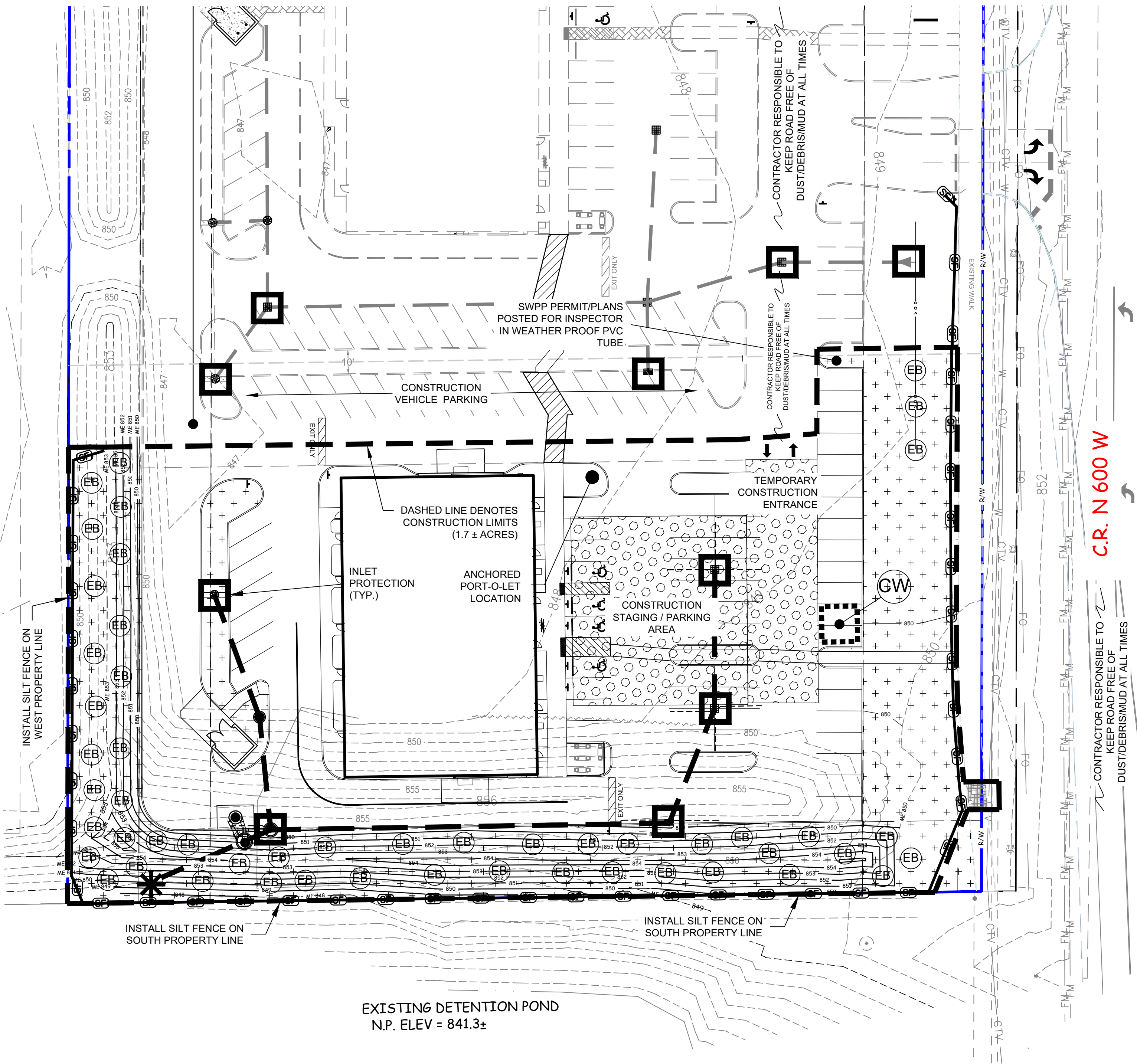


SOILS MAP
SCALE: 1" = 200'



CASTING NOTE

STORM INLET CASTINGS TO REQUIRE A "NO DUMPING" MESSAGE PER THE TOWN OF PENDLETON STANDARDS.



FLOOD NOTE

THIS LOT LIES ENTIRELY IN FLOOD HAZARD ZONE "X" AS SCALED FROM THE FLOOD INSURANCE RATE MAP (FIRM) FOR HANCOCK COUNTY, INDIANA. COMMUNITY NUMBER 180468, MAP NUMBER 18059C0016D, PANEL NUMBER 0016 D, DATED DECEMBER 4, 2007. REFERENCE NFP FIRM MAP #18059C0016D, EFFECTIVE DATE: DECEMBER 4, 2007

THE SHOPS at BROOKSIDE - BLOCK A

CR 600 W
McCordsville, IN 46055

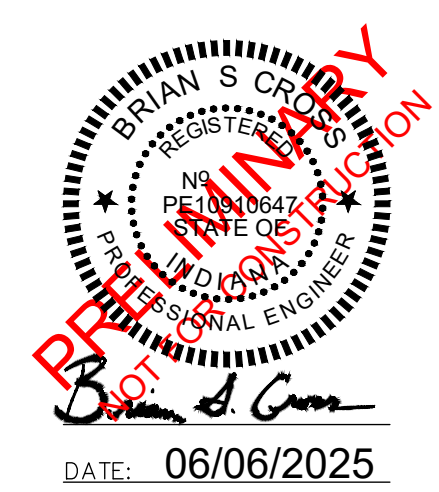
STORMWATER POLLUTION PREVENTION PLAN
PHASE II - SOUTH BUILDING

PROJECT NUMBER
BRG.007

DRAWING NUMBER
C4.0
SHEET 5 OF 24

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Carmel, Indiana 46032
Ph: (317) 810-1677



DWN BY: BSC
CHKD. BY: BSC
SCALE: 1" = 30'
DATE: 06/06/25

FERTILIZER NOTE

DO NOT USE PHOSPHOROUS CONTAINING FERTILIZERS UNLESS SOIL TESTS SHOW A PHOSPHOROUS DEFICIENCY.

SEEDBED PREPARATION

APPLY LIME TO RAISE THE pH TO THE LEVEL NEEDED FOR SPECIES BEING SEED. APPLY 23 POUNDS OF 12-12-12 ANALYSIS FERTILIZER (OR EQUIVALENT) PER 1000 SQ. FT. (APPROXIMATELY 1000 POUNDS PER ACRE) OR FERTILIZE ACCORDING TO TEST. APPLICATION OF 150 LBS. OF AMMONIUM NITRATE ON AREAS LOW IN ORGANIC MATTER AND FERTILITY WILL GREATLY ENHANCE VEGETATIVE GROWTH.

WORK THE FERTILIZER AND LIME INTO THE SOIL TO A DEPTH OF 2-3 INCHES WITH A HARROW, DISK OR RAKE OPERATED ACROSS THE SLOPE AS MUCH AS POSSIBLE.

SEEDING

SELECT A SEED MIXTURE BASED ON PROJECTED USE OF THE AREA (SEE PERMANENT SEED MIXTURE CHART). WHILE CONSIDERING BEST SEEDING DATES. IF PERMANENT SEEDING IS NOT PERMITTED USE TEMPORARY SEEDING UNTIL PERMANENT SEEDING CAN BE APPLIED. IF TOLERANCES ARE A PROBLEM, SUCH AS SALT TOLERANCE OF SEEDINGS ADJACENT TO STREETS AND HIGHWAYS, SEE SEED TOLERANCE CHART.

	SOIL CONDITION			SHADE TOLERANCE	CLOSE MOWING TO 2-3 1/2 INCHES	TRAMPING TOLERANCE	FERTILITY NEEDS	WINTER HARDINESS	FLOODING TOLERANCE (DAYS)	MATURE HEIGHT (INCHES)	EMERGENCE TIME (DAYS)	SOIL TOLERANCE	
	WET	NORM	DRY									GEN.	SOIL SPRAY
CREeping RED FESCUE FESTUCA RUBRA	2	1	2	1	1	1	MED.	1	20-25	12-18	7-21		S
KENTUCKY BLUEGRASS POA PROTENSIS	2	1	2	1	1	1	MED.	1	20-35	12-18	10-20		MT
TALL FESCUE FESTUCA L. ARUNDINACEA	2	1	1	1	1	1	LOW	1	24-35	24-36	5-14	T	
PERENNIAL RYEGRASS LOLLUM PERENNE	2	1	2	-	1	2	MED. HIGH	2	15-20	12-18	5-10		MT
CROWN VETCH CORONILLA VARLA	-	1	1	2	-	-	LOW	1	5-10	24	14-21	T	
RED CLOVER TRIFOLIUM PROTENSE	-	1	-	2	-	-	MED.	1	7-10	18	5-10	S	S

RANKING:
1 GOOD
2 MEDIUM
- NOT TOLERANT

SALT TOLERANCE (TO BOTH SOIL SALTS & SPRAY)
T TOLERANCE
MT MEDIUM TOLERANCE
S SLIGHT TOLERANCE

SEED TOLERANCE

UNLESS SOIL TESTS SHOW A PHOSPHOROUS DEFICIENCY

SPECIES	SEEDING RATE		SUITABLE pH	SITE SUITABILITY*		
	LBS/ACRE	LBS/1000 SQ. FT.		DROUGHTY	WELL DRAINED	WET
LEVEL AND SLOPING, OPEN AREAS						
1. TALL FESCUE	35	.8	5.5-8.3	2	1	2
2. TALL FESCUE	25	.6	5.5-8.3		1	
3. RED CLOVER	5	.12				
4. KENTUCKY BLUEGRASS	15	.4	5.8-7.5	2	1	
5. CREEPING RED FESCUE	15	.4				
STEEP BANKS AND CUTS						
4. TALL FESCUE	15	.4	5.8-7.5	2	1	2
5. KENTUCKY BLUEGRASS	25	.6				
6. TALL FESCUE	35	.8	5.5-8.3	2	1	
7. EMERALD CROWN VETCH**	10	.25				
LAWNS AND HIGH MAINTENANCE AREAS						
6. KENTUCKY BLUEGRASS	40	.9	5.8-7.5	2	1	
7. CREEPING RED FESCUE	40	.9				
8. PERENNIAL RYEGRASS (TURF TYPE)	170	4.0	5.0-7.5		1	
9. TALL FESCUE	170	4.0	5.5-8.3	2	1	2

* 1 - PREFERRED 2 - WILL TOLERATE ** INOCULATE WITH SPECIFIC INOCULANT.

SEED TOLERANCE CHART

* 1 - PREFERRED 2 - WILL TOLERATE ** INOCULATE WITH SPECIFIC INOCULANT.

SEED TOLERANCE CHART

SEEDING DETAIL

EROSION CONTROL MEASURE	MAINTENANCE	INSTALLATION SEQUENCE
STONE ENTRANCE	AS NEEDED	PRIOR TO CLEARING AND GRADING
SILT FENCE	WEEKLY, AFTER STORM EVENTS AND AS NEEDED	PRIOR TO CLEARING AND GRADING
EXISTING INLET PROTECTION	WEEKLY, AFTER STORM EVENTS AND AS NEEDED	PRIOR TO CLEARING AND GRADING
TREE PROTECTION	WEEKLY, AFTER STORM EVENTS AND AS NEEDED	PRIOR TO CLEARING AND GRADING
TEMPORARY DIVERSIONS	WEEKLY, AFTER STORM EVENTS AND AS NEEDED	ALONG WITH ROUGH GRADING
TEMPORARY SEEDING	WATER AS NEEDED	AFTER FINISH GRADING - AS SOON AS PRACTICAL UPON COMPLETION
PERMANENT SEEDING	WATER AS NEEDED	AFTER FINISH GRADING - AS SOON AS PRACTICAL UPON COMPLETION
EROSION CONTROL MATTING	WEEKLY, AFTER STORM EVENTS AND AS NEEDED	AFTER FINISH GRADING - AS SOON AS PRACTICAL UPON COMPLETION
ROCK CHECK DAM	WEEKLY, AFTER STORM EVENTS AND AS NEEDED	AFTER FINISH GRADING - AS SOON AS PRACTICAL UPON COMPLETION
INLET PROTECTION	WEEKLY, AFTER STORM EVENTS AND AS NEEDED	AFTER EACH INLET IS PLACED
REMOVAL OF TREE PROTECTION	N/A	AFTER PERMANENT SEEDING
REMOVAL OF STRAW BALES	N/A	AFTER ALL AREAS DRAINING TO THESE AREAS ARE STABILIZED
REMOVAL OF INLET PROTECTION	N/A	AFTER ALL AREAS DRAINING TO THESE AREAS ARE STABILIZED
REMOVAL OF SILT FENCE	N/A	AFTER ALL AREAS DRAINING TO THESE AREAS ARE STABILIZED

EROSION CONTROL MEASURES MAINTENANCE REQUIREMENTS

EROSION CONTROL BLANKET (SURFACE APPLIED) MAINTENANCE REQUIREMENTS:

- DURING VEGETATIVE ESTABLISHMENT, INSPECT AFTER STORM EVENTS FOR ANY EROSION BELOW THE BLANKET.
- IF ANY AREA SHOWS EROSION, PULL BACK THAT PORTION OF THE BLANKET COVERING IT, ADD SOIL, RE-SEED THE AREA, AND RE-LAY AND STAPLE THE BLANKET.
- AFTER VEGETATIVE ESTABLISHMENT, CHECK THE TREATED AREA PERIODICALLY.

TEMPORARY GRAVEL CONSTRUCTION ENTRANCE MAINTENANCE REQUIREMENTS:

- INSPECT ENTRANCE PAD AND SEDIMENT DISPOSAL AREA WEEKLY AND AFTER STORM EVENTS OR HEAVY USE.
- RESHAPE PAD AS NEEDED FOR DRAINAGE AND RUNOFF CONTROL.
- TOP DRESS WITH CLEAN STONE AS NEEDED.
- IMMEDIATELY REMOVE MUD AND SEDIMENT TRACKED OR WASHED ONTO PUBLIC ROADS BY BRUSHING OR SWEEPING. FLUSHING SHOULD ONLY BE USED IF THE WATER IS CONVEYED INTO A SEDIMENT TRAP OR BASIN.
- REPAIR ANY BROKEN ROAD PAVEMENT IMMEDIATELY.

ROCK CHECK DAM MAINTENANCE REQUIREMENTS:

- INSPECT ROCK CHECK DAMS AFTER EACH STORM EVENT AND PROMPTLY REMOVE ANY SEDIMENT DEPOSITS TO ENSURE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN, TAKING CARE NOT TO UNDERMINE THE ENTRENCHED BALES.
- INSPECT PERIODICALLY FOR DETERIORATION OR DAMAGE FROM CONSTRUCTION ACTIVITIES AND REPAIR IMMEDIATELY.
- AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED, REMOVE ALL ROCK CHECK DAMS AND SEDIMENT, BRING THE DISTURBED AREA TO GRADE, AND STABILIZE IT.

SILT FENCE MAINTENANCE REQUIREMENTS:

- INSPECT THE SILT FENCE PERIODICALLY AND AFTER EACH STORM EVENT.
- IF FENCE FABRIC TEARS, STARTS TO DECOMPOSE, OR IN ANY WAY BECOMES INEFFECTIVE, REPLACE THE AFFECTED PORTION IMMEDIATELY.
- REMOVE DEPOSITED SEDIMENT WHEN IT REACHES HALF THE HEIGHT OF THE FENCE AT ITS LOWEST POINT OR IS CAUSING THE FABRIC TO BULGE.
- TAKE CARE TO AVOID UNDERMINING THE FENCE DURING CLEAN OUT.
- AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED, REMOVE THE FENCE AND SEDIMENT DEPOSITS, BRING THE DISTURBED AREA TO GRADE, AND STABILIZE.

REV	DATE	DESCRIPTION	DES BY	APP BY

TEMPORARY SEEDING DATES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
WHEAT OR RYE												
OATS												
ANNUAL RYEGRASS												

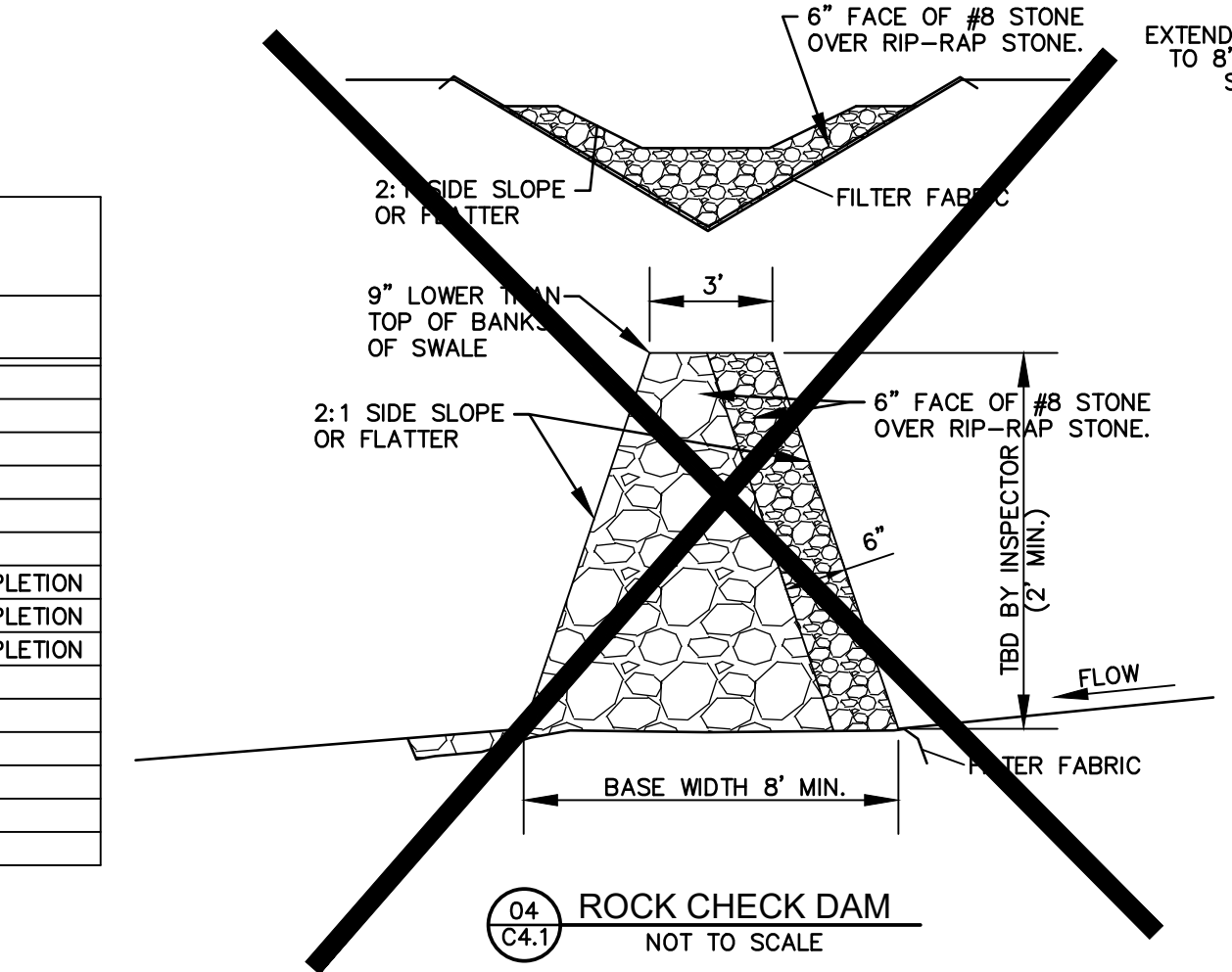
PERMANENT SEEDING DATES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
WHEAT OR RYE												
OATS												
ANNUAL RYEGRASS												

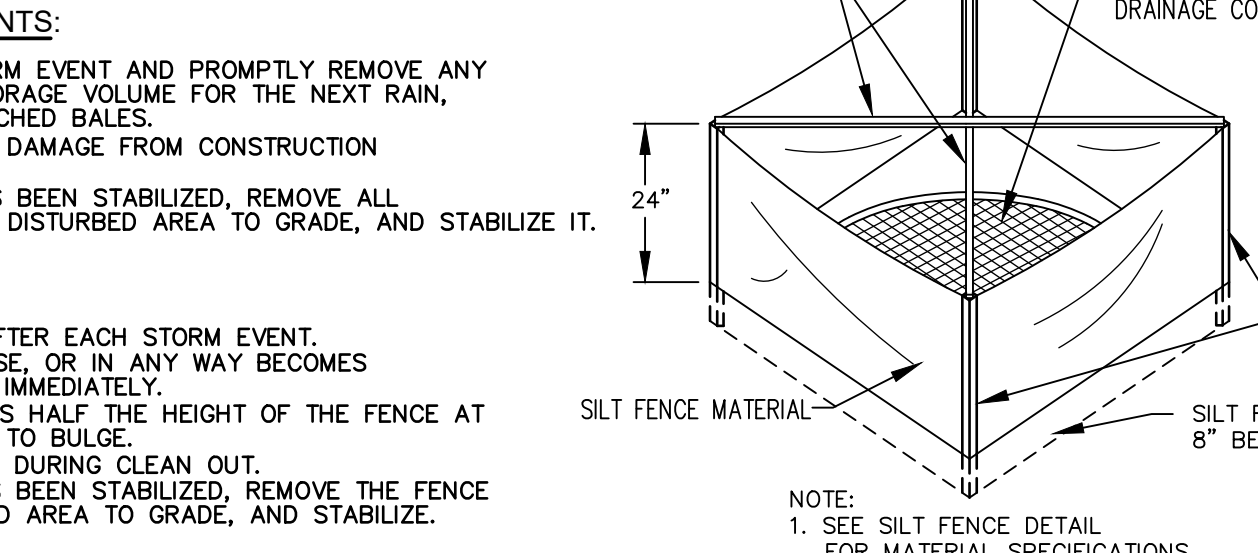
IRRIGATION NEEDED DURING THIS PERIOD. TO CONTROL EROSION AT TIMES OTHER THAN IN THE SHADED AREAS. USE MULCH.
* LATE SUMMER SEEDING DATES MAY BE EXTENDED 5 DAYS IF MULCH IS APPLIED.
** INCREASE SEEDING APPLICATION BY 50%.

TEMPORARY SEEDINGS		
TYPE OF SEED	1000 SQ. FT.	ACRE
WHEAT OR RYE	3.5 LBS.	2 BU.
SPRING OATS	2.3 LBS.	3 BU.
ANNUAL RYEGRASS	1 LB.	40 LB.

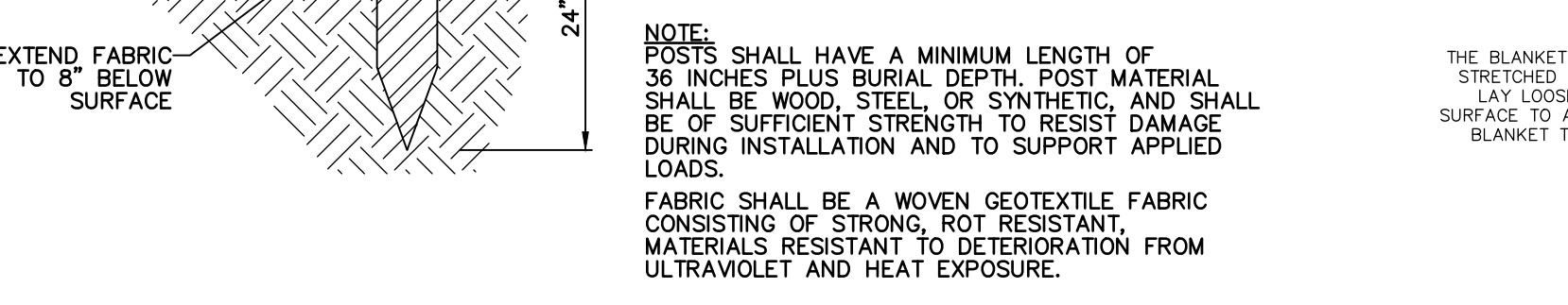
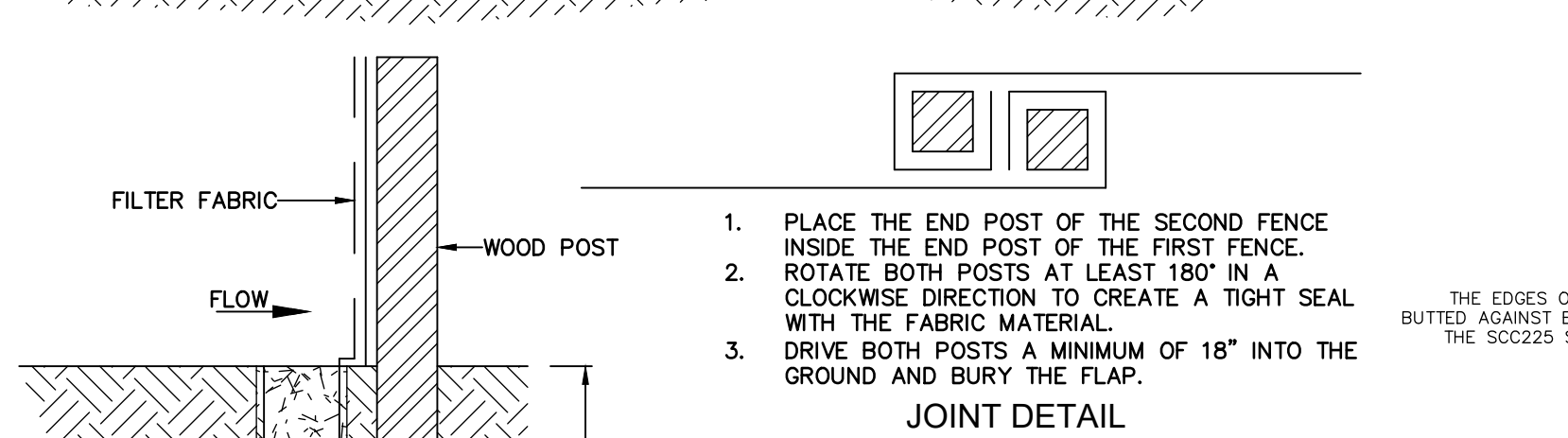
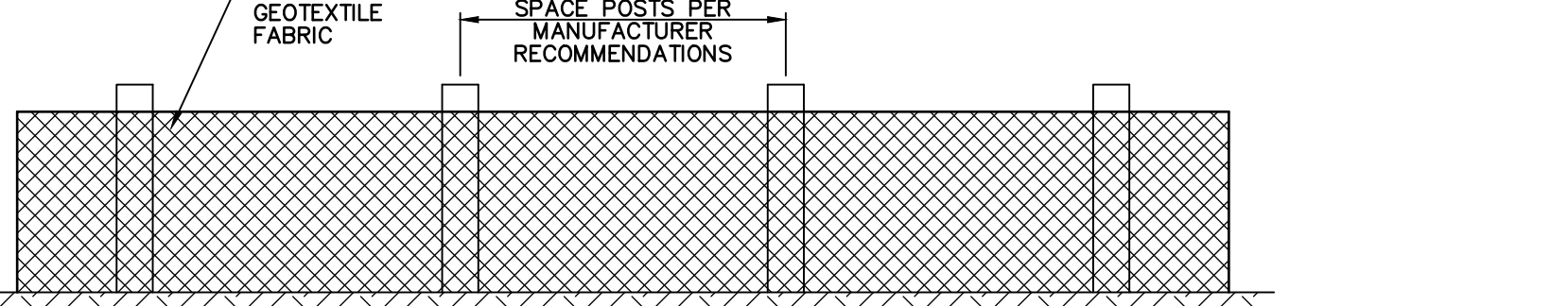
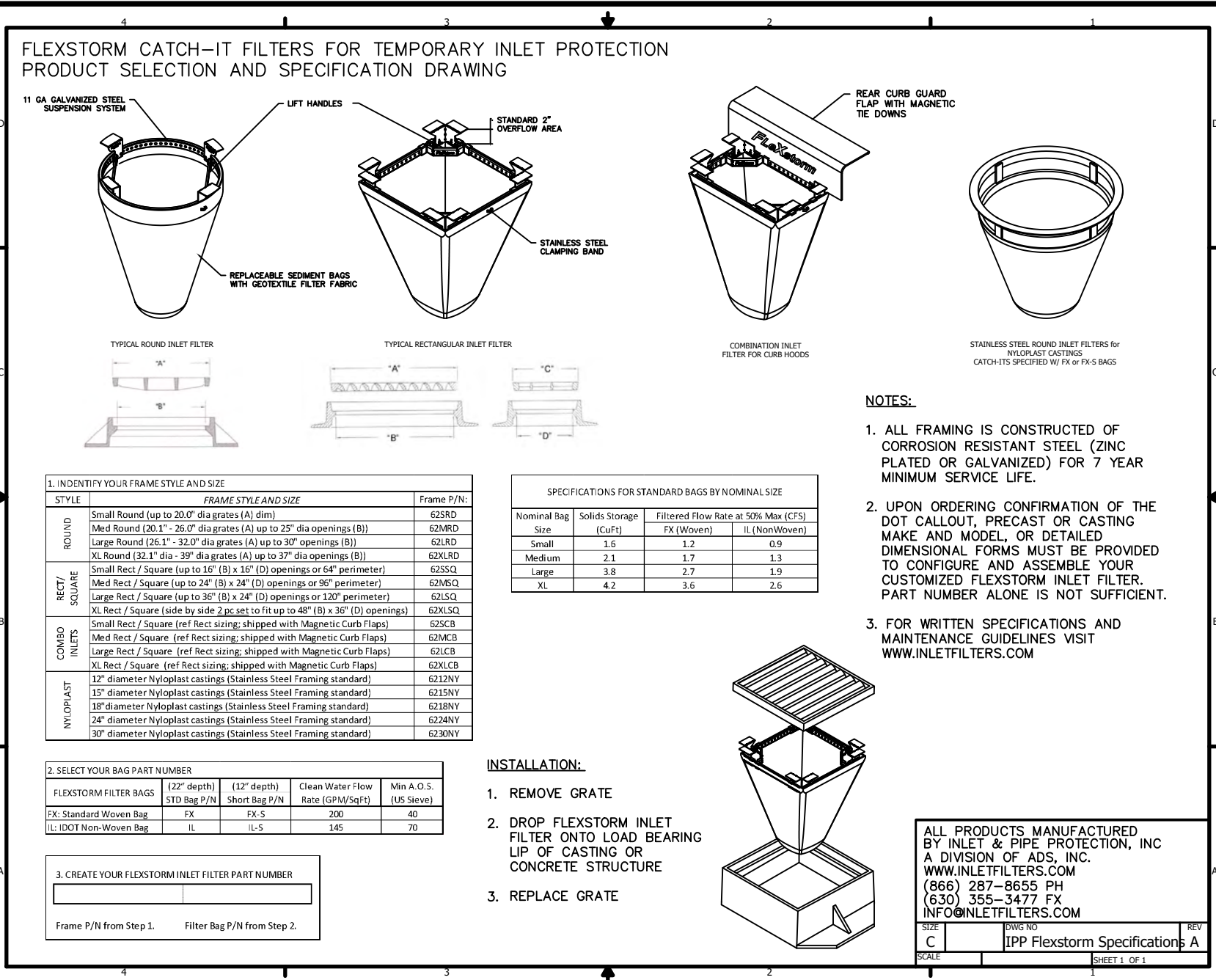
* NOT NECESSARY WHERE MULCH IS APPLIED.



ROCK CHECK DAM NOT TO SCALE



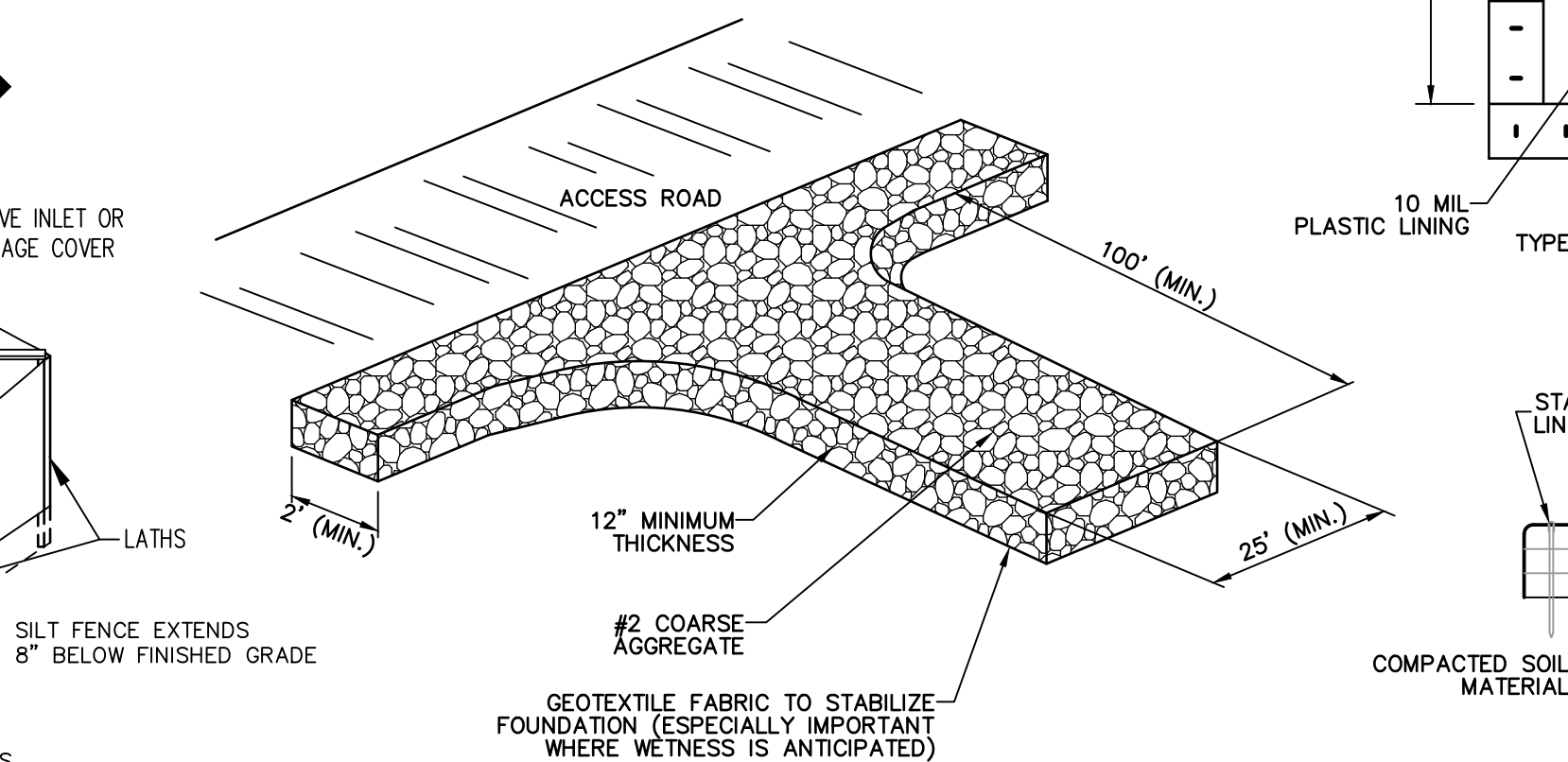
SILT FENCE INLET PROTECTION NOT TO SCALE



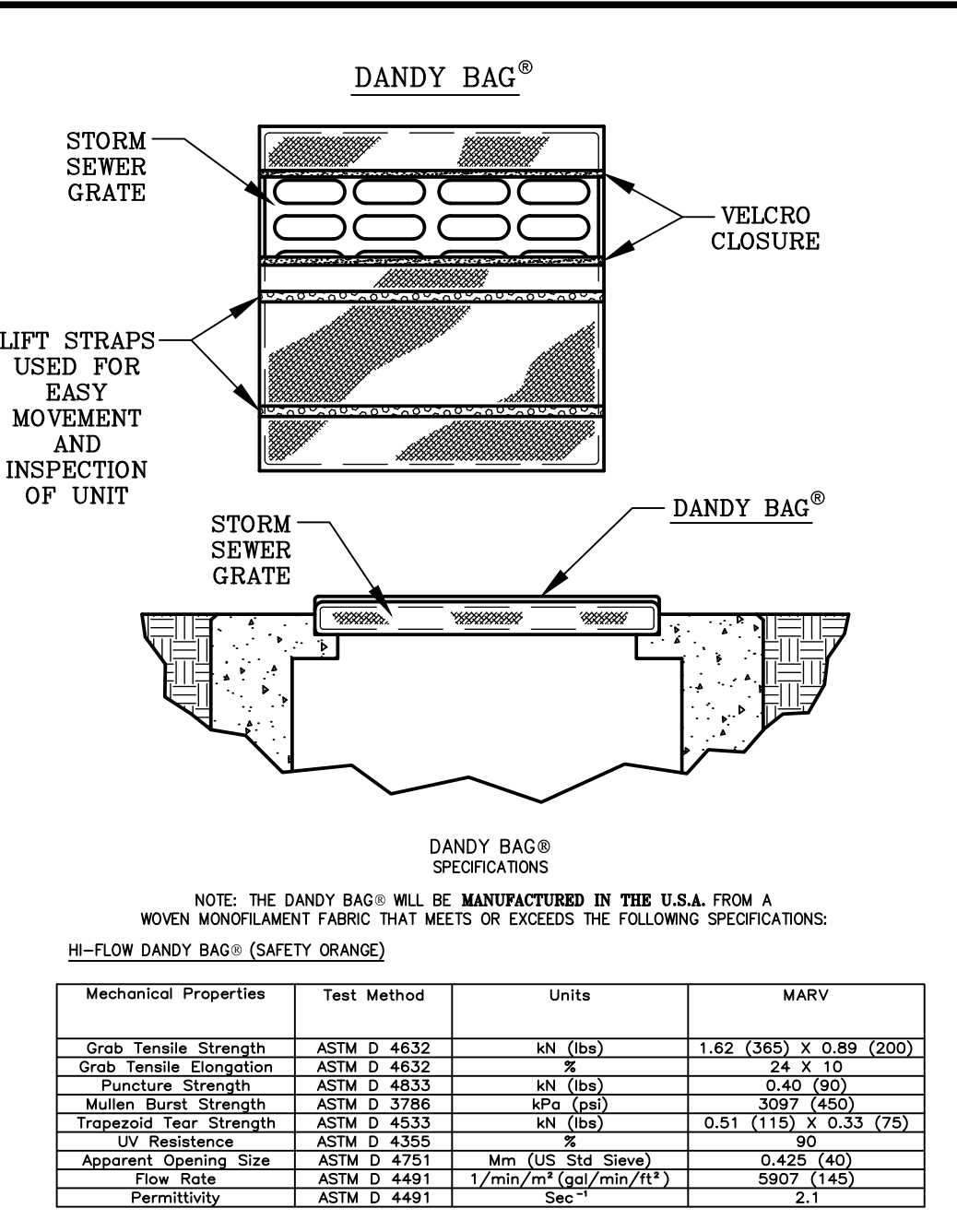
SILT FENCE CONSTRUCTION NOT TO SCALE

EROSION CONTROL CONTACT

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6274 SOUTH FOX CHASE
PENDLETON, INDIANA 46064
(765) 635-5559



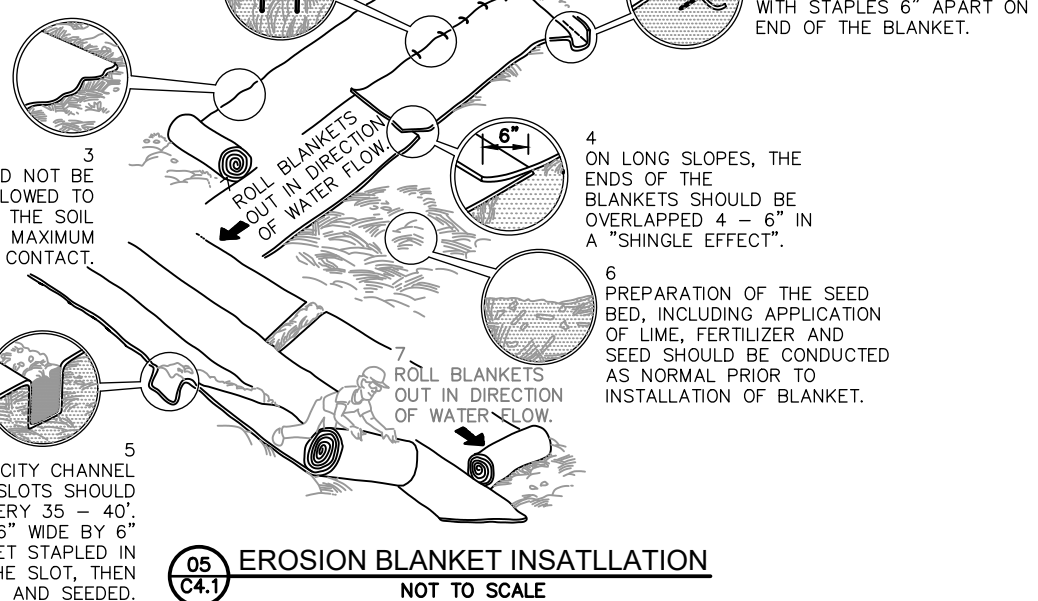
TEMPORARY CONSTRUCTION ENTRANCE NOT TO SCALE



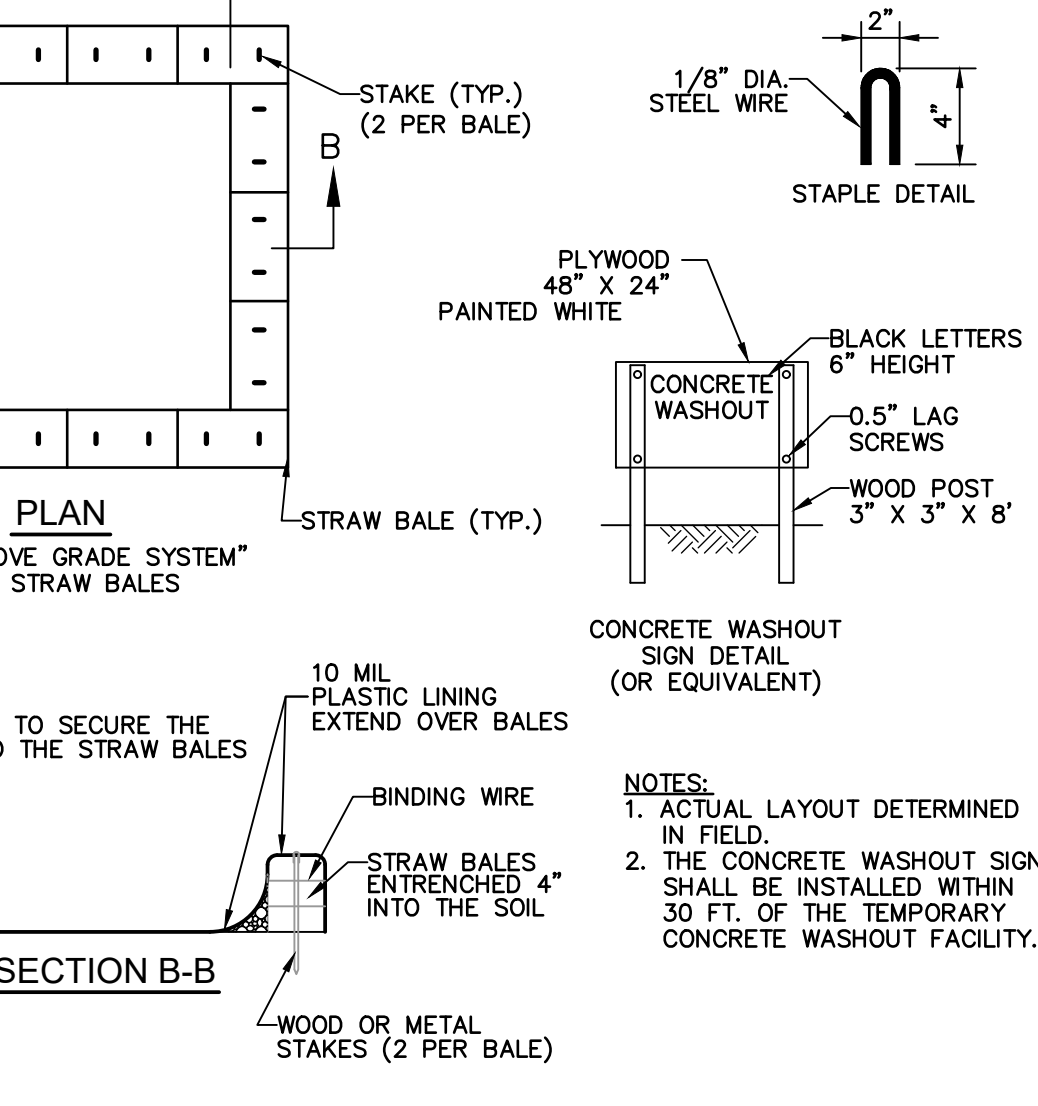
DANDY BAG SPECIFICATIONS

Mechanical Properties		Test Method		Units		MARV	
Grab Tensile Strength	ASTM D 4632	kN (lbf)	1.62 (365)	x 0.89 (200)			
Grab Tensile Elongation	ASTM D 4632	%	24	x 10			
Puncture Strength	ASTM D 4633	kN (lbf)	0.42 (95)				
Mullen Burst Strength	ASTM D 3786	kPa (psi)	2927 (425)				
Tripod Test Strength	ASTM D 4453	kN (lbf)	0.51 (115)	x 0.33 (75)			
UV Resistance	ASTM D 4359	%	90				
Apparent Opening Size	ASTM D 4753	mm (in)	0.425 (40)				
Flow Rate	ASTM D 4491	l/min/m ² (gal/min/ft ²)	5907 (145)				
Permeability	ASTM D 4491	Sec	2.1				

STORM INLET BAG PROTECTION NOT TO SCALE



EROSION BLANKET INSATLATION NOT TO SCALE



CONCRETE WASHOUT BMP NOT TO SCALE

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Ph: (317) 810-1677

DAVE CRAVENS
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PENDLETON, INDIANA 46064
(765) 635-5559

DWN BY: BSC
CHKD. BY: BSC
SCALE: N/A
DATE: 06/06/25

SHOPPES at BROOKSIDE - BLOCK A

CR 600 W
McCordsville, IN 46055

STORMWATER POLLUTION PREVENTION DETAILS

PHASE II - SOUTH BUILDING

PROJECT NUMBER
BRG.007

DRAWING NUMBER
C4.1

SHEET 6 OF 24

(A1) INDEX OF THE LOCATION OF REQUIRED PLAN ELEMENTS IN THE CONSTRUCTION PLAN:

This sheet C4.2 serves as the index of all of the information required by this section.

(A2) A VICINITY MAP DEPICTING THE PROJECT SITE LOCATION IN RELATIONSHIP TO MAJOR ROADS:

The vicinity map depicting the project site location can be found on sheet C0.0.

(A3) NARRATIVE OF THE NATURE & PURPOSE OF THE PROJECT:

This project is located on the west side of Mount Comfort Road (CR N 600 W) approximately 700 feet south of CR W 900 N. The property lies within the existing Villages at Brookside commercial PUD in Hancock County, Town of McCordsville, Indiana. The subject site currently consists of a single lot that totals 5.96 +/- acres (excludes right-of-way area). The proposed improvements will consist of constructing a new 10,200 sf +/- retail/commercial tenant building, surface parking, drainage, utilities, and landscaping. The approximate limits of disturbance for this project is 1.7 +/- acres, including off-site utility connections. The subject site is currently vacant with some landscape terms on the west and south perimeters

(A4) LATITUDE & LONGITUDE:

Longitude W -85.919518 / Latitude N 39.911210

(A5) LEGAL DESCRIPTION OF THE PROJECT SITE:

The legal description can be found on sheets C0.0 & the Survey.

(A6) 11x17-INCH PLAT SHOWING THE BUILDING LOT NUMBERS/BOUNDARIES & ROAD LAYOUT/NAMES:

These construction plans can be printed at 11x17 size and will be legible.

(A7) BOUNDARIES OF THE 100-HUNDRED (100) YEAR FLOODPLAINS, FLOODWAY FRINGES & FLOODWAYS:

The subject site lies outside of the FEMA flood plain. FIRM Map information can be found on sheets C3.0 & C4.0.

(A8) LAND USE OF ADJACENT PROPERTIES:

North: Commercial / South: Residential
East: Commercial / West: Residential

(A9) IDENTIFICATION OF A U.S. EPA APPROVED OR ESTABLISHED TMDL:

North Fork Dry Branch is currently established as a Category 2, not impaired waterway, and is not on the current 303(d) list of impaired waters.

(A10) NAMES OF RECEIVING WATERS:

Stormwater runoff from the subject site will be collected in an on-site storm sewer system and routed to an existing detention system. The site ultimately discharges into North Fork Dry Branch to Geist Reservoir.

(A11) IDENTIFICATION OF DISCHARGES TO A WATER ON THE CURRENT 303(d) LIST OF IMPAIRED WATERS:

Stormwater runoff from the subject site will be collected in an on-site storm sewer system and routed to an existing detention system. North Fork Dry Branch is not listed on IDEMs current 303(d) list of impaired waters.

(A12) SOILS MAP OF THE PREDOMINANT SOIL TYPES:

A soils map with soil properties, characteristics, limitations and hazards can be found on sheet C4.0.

(A13) LOCATION OF ALL KNOWN WETLANDS, LAKES & WATER COURSES ON OR ADJACENT TO THE PROJECT SITE:

There are no wetlands, lakes or water courses on or adjacent to the subject site. North Fork Dry Branch is located adjacent northwest of the subject site.

(A14) IDENTIFICATION OF ANY OTHER STATE OR FEDERAL WATER QUALITY PERMITS REQUIRED FOR CONSTRUCTION:

Outside of the standard Indiana Construction Stormwater General Permit (CSGP), there are not any additional state or federal water quality permits required for this project.

(A15) IDENTIFICATION & DELINEATION OF EXISTING COVER, INCLUDING NATURAL BUFFERS:

The subject site currently consists of grass/weed cover from previous construction land disturbance.

(A16) EXISTING SITE TOPOGRAPHY AT AN INTERVAL APPROPRIATE TO INDICATE DRAINAGE PATTERNS:

Existing and proposed conditions topography can be found on sheets C3.0 & Survey.

(A17) LOCATION(S) WHERE RUNOFF ENTERS THE PROJECT SITE:

CR N 600 W drains onto the subject site in the existing conditions. Existing conditions can be found on the Existing Conditions Survey.

(A18) LOCATION(S) WHERE RUNOFF DISCHARGES FROM THE PROJECT SITE PRIOR TO LAND DISTURBANCE:

The subject site currently consists of grass/weed cover from previous construction land disturbance. The site drains from east to west, collected in an on-site storm sewer system and routed to an existing detention system. Existing conditions can be found on the Existing Conditions Survey.

(A19) LOCATION OF ALL EXISTING STRUCTURES ON THE PROJECT SITE:

There are no existing structures on the subject site. Existing conditions can be found on the Existing Conditions Survey.

(A20) EXISTING PERMANENT RETENTION OR DETENTION FACILITIES:

There is NO existing permanent detention facility on the subject site. An existing detention facility is located west of the subject property. Existing conditions can be found on the Existing Conditions Survey.

(A21) LOCATIONS WHERE STORMWATER MAY BE DIRECTLY DISCHARGED INTO GROUNDWATER:

The subject site currently consists of grass/weed cover from previous construction land disturbance. The site drains from east to west, collected in an on-site storm sewer system and routed to an existing detention system. Existing conditions can be found on the Existing Conditions Survey.

(A22) SIZE OF THE PROJECT EXPRESSED IN ACRES:

The overall subject site is 5.69+/- acres in size; however, the proposed improvements, including utility connections, will be disturbing approximately 1.7+/- acres.

(A23) TOTAL EXPECTED LAND DISTURBANCE:

The overall subject site is 5.69+/- acres in size; however, the proposed improvements, including utility connections, will be disturbing approximately 1.7+/- acres.

(A24) PROPOSED FINAL TOPOGRAPHY:

The location of all proposed site improvements, including final topography, roads, utilities, lot delineation, proposed structures, and common areas can be found on sheets C2.0, C3.0, C5.0, and L1.0.

(A25) LOCATIONS & APPROXIMATE BOUNDARIES OF ALL DISTURBED AREAS:

The location and approximate boundaries of all disturbed areas can be found on sheets C3.0 & C4.0.

(A26) LOCATIONS, SIZE & DIMENSIONS OF THE STORMWATER DRAINAGE SYSTEM:

The details of the proposed stormwater drainage system can be found on sheets C3.0, C5.0, and C7.3.

(A27) LOCATIONS OF SPECIFIC POINTS WHERE STORMWATER DISCHARGES WILL LEAVE THE SITE:

The details of the proposed stormwater drainage system can be found on sheets C3.0, C5.0, and C7.3.

(A28) LOCATION OF ALL PROPOSED SITE IMPROVEMENTS:

The location of all proposed site improvements, including final topography, roads, utilities, lot delineation, proposed structures, and common areas can be found on sheets C2.0, C3.0, C5.0, and L1.0.

(A29) LOCATION OF ALL SOIL STOCKPILES & BORROW AREAS:

A soils stockpile is not anticipated for the construction of this project.

(A30) CONSTRUCTION SUPPORT ACTIVITIES THAT ARE EXPECTED TO BE PART OF THE PROJECT:

No construction support activities are anticipated for the construction of this project other than deliveries of materials (i.e. quarry rock, utility pipe, concrete, asphalt).

(A31) LOCATION OF ANY IN-STREAM ACTIVITIES THAT ARE PLANNED FOR THE PROJECT:

There are no in stream activities planned for this project.

(B1) DESCRIPTION OF THE POTENTIAL POLLUTANT GENERATING SOURCES & POLLUTANTS:

Potential pollutants sources relative to a construction site may include, but are not limited to material and fuel storage areas, fueling locations, exposed soils and leaking vehicle/equipment. Potential pollutants that may appear at the site due to construction activities include, but are not limited to diesel fuel, gasoline, concrete and concrete washout, solid waste, sediment, paint and solvents, equipment repair products, anti-freeze and fertilizer.

(B2) STABLE CONSTRUCTION ENTRANCE LOCATIONS & SPECIFICATIONS:

The location, details and specifications of the construction entrance can be found on sheets C4.0 and C4.1

(B3) SPECIFICATIONS FOR TEMPORARY & PERMANENT STABILIZATION:

The location, details and specifications of all temporary and permanent erosion control measures can be found on sheets C4.0 and C4.1.

(B4) SEDIMENT CONTROL MEASURES FOR CONCENTRATED FLOW AREAS:

The location, details and specifications of all sediment control measures for concentrated flow areas can be found on sheets C4.0 and C4.1.

(B5) SEDIMENT CONTROL MEASURES FOR SHEET FLOW AREAS:

The location, details and specifications of all sediment control measures for sheet flow areas can be found on sheets C4.0 and C4.1.

(B6) RUN-OFF CONTROL MEASURES:

The location, details and specifications of all runoff control measures for sheet flow areas can be found on sheets C4.0 and C4.1.

(B7) STORMWATER OUTLET PROTECTION LOCATION & SPECIFICATIONS:

The location, details and specifications of stormwater outlet protection measures can be found on sheets C4.0 and C4.1.

(B8) GRADE STABILIZATION STRUCTURE LOCATIONS & SPECIFICATIONS:

We do not anticipate the need for any grade stabilization structures on this project. The location, details and specifications of other erosion control measures can be found on sheets C4.0 and C4.1.

(B9) DEWATERING APPLICATIONS & MANAGEMENT METHODS:

We do not anticipate the need for any dewatering on this project. The location, details and specifications of other erosion control measures can be found on sheets C4.0 and C4.1.

(B10) MEASURES UTILIZED FOR WORK WITHIN WATERBODIES:

We do not anticipate the need for any work within waterbodies on this project. The location, details and specifications of other erosion control measures can be found on sheets C4.0 and C4.1.

(B11) MAINTENANCE GUIDELINES FOR EACH PROPOSED STORMWATER QUALITY MEASURE:

CONCRETE, WASHOUT, DUMPSTER, PORT-O-LET, AND FUEL TANKS SHOULD BE LOCATED A MINIMUM OF 50 FEET FROM STORM DRAINS, OPEN DRAINAGE FACILITIES, AND WATERCOURSES.

ROCK CHECK DAM MAINTENANCE REQUIREMENTS:

1. INSPECT ROCK CHECK DAMS AFTER EACH STORM EVENT AND PROMPTLY REMOVE ANY SEDIMENT DEPOSITS TO ENSURE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN, TAKING CARE NOT TO UNDERMINE THE ENTRENCHED BALES.
2. INSPECT PERIODICALLY FOR DETRIORATION OR DAMAGE FROM CONSTRUCTION ACTIVITIES AND REPAIR IMMEDIATELY.
3. AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED, REMOVE ALL ROCK CHECK DAMS AND SEDIMENT, BRING THE DISTURBED AREA TO GRADE, AND STABILIZE IT.

SILT FENCE MAINTENANCE REQUIREMENTS:

1. INSPECT THE SILT FENCE PERIODICALLY AND AFTER EACH STORM EVENT.
2. IF FENCE FABRIC TEARS, STARTS TO DECOMPOSE, OR IN ANY WAY BECOMES INEFFECTIVE, REPLACE THE AFFECTED PORTION IMMEDIATELY.
3. REMOVE DEPOSITED SEDIMENT WHEN IT REACHES HALF THE HEIGHT OF THE FENCE AT ITS LOWEST POINT OR IS CAUSING THE FABRIC TO BULGE.
4. TAKE CARE TO AVOID UNDERMINING THE FENCE DURING CLEAN OUT.
5. AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED, REMOVE THE FENCE AND SEDIMENT DEPOSITS, BRING THE DISTURBED AREA TO GRADE, AND STABILIZE.

TEMPORARY SEDIMENT TRAP MAINTENANCE REQUIREMENTS:

1. INSPECT TEMPORARY SEDIMENT TRAPS AFTER EACH STORM EVENT AND IMMEDIATELY REPAIR ANY EROSION AND PIPING HOLES.
2. REMOVE SEDIMENT WHEN IT HAS ACCUMULATED TO ONE-HALF THE DESIGN DEPTH.
3. REPLACE SPILLWAY GRAVEL FACING IF CLOGGED.
4. INSPECT VEGETATION, AND RE-SEED IF NECESSARY.
5. CHECK THE SPILLWAY DEPTH PERIODICALLY TO ENSURE A MINIMUM OF 1.5 FT. DEPTH FROM THE LOWEST POINT OF THE SETTLED EMBANKMENT TO HIGHEST POINT OF THE SPILLWAY CREST, AND FILL ANY LOW AREAS TO MAINTAIN DESIGN ELEVATION.
6. PROMPTLY REPLACE ANY DISPLACED RIPRAP, BEING CAREFUL THAT NO STONES IN THE SPILLWAY ARE ABOVE DESIGN GRADE.
7. AFTER ALL DISTURBED AREAS HAVE BEEN STABILIZED, REMOVE THE STRUCTURE AND SEDIMENT, SMOOTH THE SITE TO BLEND WITH ADJOINING AREAS, AND STABILIZE.

STORM INLET BAG PROTECTION MAINTENANCE REQUIREMENTS:

1. INSPECT FREQUENTLY FOR DAMAGE BY VEHICULAR TRAFFIC, AND REPAIR IF NECESSARY.
2. INSPECT AFTER EACH STORM EVENT.
3. REMOVE SEDIMENT, WITHOUT FLUSHING, WHEN IT REACHES HALF THE HEIGHT OF THE BARRIER.
4. DEPOSIT REMOVED SEDIMENT WHERE IT WILL NOT ENTER STORM DRAINS.

EROSION CONTROL BLANKET (SURFACE APPLIED) MAINTENANCE REQUIREMENTS:

1. DURING VEGETATIVE ESTABLISHMENT, INSPECT AFTER STORM EVENTS FOR ANY EROSION BELOW THE BLANKET.
2. IF ANY AREA SHOWS EROSION, PULL BACK THAT PORTION OF THE BLANKET COVERING IT, ADD SOIL, RE-SEED THE AREA, AND RE-LAY AND STAPLE THE BLANKET.
3. AFTER VEGETATIVE ESTABLISHMENT, CHECK THE TREATED AREA PERIODICALLY.

TEMPORARY GRAVEL CONSTRUCTION ENTRANCE MAINTENANCE REQUIREMENTS:

1. INSPECT ENTRANCE PAD AND SEDIMENT DISPOSAL AREA WEEKLY AND AFTER STORM EVENTS OR HEAVY USE.
2. RESHAPE PAD AS NEEDED FOR DRAINAGE AND RUNOFF CONTROL.
3. TOPDRESS WITH CLEAN STONE AS NEEDED.
4. IMMEDIATELY REMOVE MUD AND SEDIMENT TRACKED OR WASHED ONTO PUBLIC ROADS BY BRUSHING OR SWEEPING. FLUSHING SHOULD ONLY BE USED IF THE WATER IS CONVEYED INTO A SEDIMENT TRAP OR BASIN.
5. REPAIR ANY BROKEN ROAD PAVEMENT IMMEDIATELY.

EROSION CONTROL SCHEDULE		
EROSION CONTROL MEASURE	* MAINTENANCE	INSTALLATION SEQUENCE
STONE ENTRANCE	AS NEEDED	PRIOR TO CLEARING AND GRADING
SILT FENCE & SILT SOCK	WEEKLY, AFTER STORM EVENTS AND AS NEEDED	PRIOR TO CLEARING AND GRADING
FLEXSTORM INLET PROTECTION	WEEKLY, AFTER STORM EVENTS AND AS NEEDED	EX. STORM STRUCTURES PRIOR TO CLEARING AND GRADING;
PERMANENT SEEDING	WATER AS NEEDED	AFTER INLET INSTALLATION
EROSION CONTROL MATING	WEEKLY, AFTER STORM EVENTS AND AS NEEDED	AFTER FINISH GRADING
SEED, SOD & SITE LANDSCAPING	WATER AS NEEDED	AFTER FINISH GRADING
REMOVAL OF INLET PROTECTION	N/A	AFTER ALL AREAS DRAINING TO THESE AREAS ARE STABILIZED
REMOVAL OF SILT FENCE	N/A	AFTER ALL AREAS DRAINING TO THESE AREAS ARE STABILIZED

* - SEE CHART FOR MAINTENANCE REQUIREMENTS

(B12) PLANNED CONSTRUCTION SEQUENCE:

PRE-CONSTRUCTION:
PROVIDE TRAINED INDIVIDUAL DOCUMENTATION TO THE TOWN OF MCCORDSVILLE STORMWATER COORDINATOR.
A PRE-CONSTRUCTION MEETING WITH THE TOWN OF MCCORDSVILLE STORMWATER COORDINATOR AND THE OWNER, CONTRACTOR, AND APPOINTED TRAINED INDIVIDUAL WILL BE REQUIRED BEFORE LAND DISTURBING COMMENCES, INCLUDING INSTALLATION OF SEDIMENT AND EROSION CONTROL BMPs.

STEP # 1: POST AT THE ENTRANCE OF THE PROJECT SITE THE CONTACT INFORMATION OF THE PERSON RESPONSIBLE FOR CONSTRUCTION ACTIVITIES.

STEP # 2: CONTACT (IDEM) & THE TOWN OF MCCORDSVILLE 48 HOURS PRIOR TO STARTING CONSTRUCTION.

STEP # 3: DESIGNATE A PERSON TO BE RESPONSIBLE FOR THE SITE INSPECTIONS AFTER EACH 1/2" RAIN AND A MINIMUM OF ONCE EACH WEEK.

STEP # 4: INSTALL TEMPORARY CONSTRUCTION ENTRANCE.

STEP # 5: INSTALL EX. INLET PROTECTION, SILT FENCE & SILT SOCK ALONG THE PERIMETER OF THE SITE WHERE NOTED. BEGIN SITE EARTHWORK ACTIVITIES.

STEP # 6: COMPLETE MASS GRADING ACTIVITIES INCLUDING REMOVAL OF VEGETATION/MOUNDING ON SOUTH SIDE OF PROPERTY.

STEP # 7: INSTALL SITE STORM DRAINAGE INFRASTRUCTURE INCLUDING INLET PROTECTION MEASURES ALONG WITH SITE UTILITIES.

STEP # 8: INSTALL BUILDING & PAVEMENT & FINAL GRADE SITE.

STEP # 9: INSTALL LANDSCAPING AND FINAL SEEDING.

STEP # 10: REMOVE ALL TEMPORARY SEDIMENT CONTROL PRACTICES ONCE THE SITE IS STABILIZED.

AT FINAL STAGE OF CONSTRUCTION:
A BMP MEETING WILL BE REQUIRED WITH THE CONTRACTOR, OWNER AND/OR LESSEE, AND THE TOWN OF MCCORDSVILLE STORMWATER COORDINATOR AT THE TIME OF CERTIFICATE OF OCCUPANCY.
REQUEST FINAL INSPECTION FOR THE STORMWATER MANAGEMENT PERMIT AND TO TERMINATE THE STATE CONSTRUCTION STORMWATER GENERAL PERMIT (CSGP). SEE FINAL INSPECTION REQUIREMENTS.

(B13) PROVISIONS FOR EROSION CONTROL ON INDIVIDUAL RESIDENTIAL BUILDING LOTS:

This project is not a residential subdivision; therefore, there are no individual building lots.

(B14) MATERIAL HANDLING, SPILL PREVENTION & SPILL RESPONSE:

Expected materials that may appear at the site due to construction activities include, but are not limited to petroleum products, fertilizers, paint and solvents, and concrete. Materials shall be stored in the designated material storage area.

Spill prevention for vehicle and equipment fueling shall conform to the following practices: vehicle equipment fueling procedures and practices shall be designed to prevent fuel spills and leaks, and reduce or eliminate contamination of stormwater. This can be accomplished by using offsite facilities, fueling in designated areas only, enclosing or covering stored fuel, implementing spill controls, and training employees and subcontractors in proper fueling procedures. Limiting fueling should only be used where it is impractical to send vehicles and equipment offsite for fueling. Sending vehicles and equipment offsite should be done in conjunction with a Stabilized Construction Entrance/Exit. Implementation: Use offsite fueling stations as much as possible.

Discourage "topping off" of fuel tanks. Absorbent materials and spill kits should be available in fueling areas and on fueling trucks, and should be disposed of properly after use. Drip pans or absorbent pads should be used during vehicle and equipment fueling, unless the fueling is performed over an impermeable surface in a dedicated fueling area. Use absorbent materials on small spills. Do not hose down or bury the spill. Remove the absorbent materials promptly and dispose of properly. Avoid mobile fueling of mobile construction equipment around the site; rather, transport the equipment to designated fueling areas. Train employees and subcontractors in proper fueling and cleanup procedures. Dedicated fueling areas should be protected from stormwater runoff, and should be located at least 50 ft away from downstream drainage facilities and watercourses. Fueling must be performed on level-grade area. Protect fueling areas with berms and dikes to prevent runoff, and to contain spills. Nozzles used in vehicle and equipment fueling should be equipped with an automatic shutoff to control drips. Fueling operations should not be left unattended. Federal, state, and local requirements should be observed for any stationary above ground storage tanks.

Vehicles and equipment should be inspected each day of use for leaks. Leaks should be repaired immediately or problem vehicles or equipment should be removed from the project site. Keep ample supplies of spill cleanup materials onsite. Immediately clean up spills and properly dispose of contaminated soils.

Spill prevention for solid waste shall conform to the following practices: Solid waste management procedures and practices are designed to prevent or reduce the discharge of pollutants to stormwater from solid or construction waste by providing designated waste collection areas and containers, arranging for regular disposal, training employees and subcontractors. Solid waste generated from trees and shrubs removed during land clearing, demolition of existing structures, and building construction. Packaging materials including wood, paper, and plastic. Scrap or surplus building materials including scrap metals, rubber, plastic, glass pieces and masonry products. Domestic wastes including food containers such as beverage cans, coffee cups, paper bags, plastic wrappers, and cigarettes. Construction wastes including brick, mortar, timber, steel and metal scraps, pipe and electrical cuttings, non-hazardous equipment parts, Styrofoam and other package construction materials. Select designated waste collection areas onsite. Inform trash-hauling contractors that you will accept only lightweight dumpsters for onsite use. Inspect dumpsters for leaks and repair any dumpster that is not watertight. Provide an adequate number of containers with lids or covers that can be placed over the container to keep rain out or to prevent loss of wastes when it is windy. Plan for additional containers and more frequent pickup during the demolition phase of construction. Collect site trash daily, especially during rainy and windy conditions. Remove this solid waste promptly since erosion and sediment control devices tend to collect litter. Make sure that toxic liquid wastes (used oils, solvents and paints) and chemicals (acids, pesticides, additives, curing compounds) are not disposed of in dumpsters designed for construction debris. Do not allow excess concrete to be dumped onsite, except in designated areas. Locate washout areas at least 50 ft from storm drains, open ditches, or water bodies. Do not allow runoff from this area by constructing a temporary pit or bermed area large enough for liquid and solid waste. Wash out wastes into the temporary pit where the concrete can set, be broken apart, and then disposed properly. Arrange creting facilities by draining water to a bermed or level area when washing concrete to remove fine particles and expose the aggregate. Do not wash sweepings from exposed aggregate concrete into the street or storm drain. Collect and return sweepings to aggregate base stockpile or dispose in the trash.

The cleanup parameters shall conform to the following practices: The developer / homeowners association shall be continually kept informed, maintain lists of qualified contractors and available Vac-trucks, tank pumpers and other equipment readily accessible for cleanup operations. In addition, a continually updated list of available absorbent materials and cleanup supplies should be kept on site. All maintenance personnel will be made aware of techniques for prevention of spills. They will be informed of the requirements and procedures outlined in this plan. They will be kept abreast of current developments or new information on the prevention of spills and / or necessary alteration to this plan. When spills occur which could endanger human life and this become primary concern, the discharge of the leaking protection function will be carried out by the local police and fire departments. Absorbent materials, which are used in cleaning up spilled materials, will be disposed of in a manner subject to the approval of the Indiana Department of Environmental Management. Flammable liquid material with water will not be permitted unless so authorized by the Indiana Department of Environmental Management.

Spill prevention for vehicle and equipment maintenance shall conform to the following practices: Prevent or reduce the contamination of stormwater resulting from vehicle and equipment maintenance by running a "dry and clean site". The best option would be to perform maintenance activities at an offsite facility. If this option is not available then work should be performed in designated areas only, while providing cover for materials stored outside, checking for leaks and spills, and containing and cleaning up spills immediately. These procedures are suitable on all construction projects where an onsite yard area is necessary for storage and maintenance of heavy equipment and vehicles. Onsite vehicle and equipment maintenance should only be used where it is impractical to send vehicles and equipment offsite for maintenance and repair. Sending vehicles / equipment offsite should be done in conjunction with a stabilized construction entrance / exit. Outdoor vehicle or equipment maintenance is a potentially significant source of stormwater pollution. Activities that can contaminate stormwater include engine repair and service, changing or replacement of fluids, and outdoor equipment storage and parking (engine fluid leaks). If maintenance must occur onsite, use designated areas, located away from drainage courses. Dedicated maintenance areas should be protected from stormwater runoff and runoff, and should be located least 50 ft from downstream drainage facilities and water courses. Drip pans or absorbent pads should be used during vehicle and equipment maintenance work that involves fluids, unless the maintenance work is performed over an impermeable surface in a dedicated maintenance area. Place a stockpile of spill cleanup materials where it will be readily accessible. All fueling trucks and fueling areas are required to have spill kits and/or use other spill protection devices. Use absorbent materials on small spills. Remove the absorbent materials promptly and dispose of properly. Inspect debris vehicles and equipment daily at startup for leaks, and repair immediately. Deep vehicles and equipment clean; do not allow excessive buildup of oil and grease. Segregate and recycle wastes, such as greases, used oil or oil filters, antifreeze, cleaning solutions, automotive batteries, hydraulic and transmission fluids. Provide secondary containment and covers for these materials if stored onsite. Train employees and subcontractors in proper maintenance and spill cleanup procedures. Drip pans or plastic sheeting should be placed under all vehicles and equipment placed on docks, barges, other structures over water bodies when the vehicle or equipment is planned to be idle for more than 1 hour. Properly dispose of used oils, fluids, lubricants, and spill cleanup materials. Properly dispose of or recycle used batteries. Do not place used oil in a dumpster or pour into a storm drain or water course. Properly dispose of used oils, fluids, lubricants, and spill cleanup materials. Do not bury tires. Repair leaks of fluids and oil immediately.

Spill prevention for fertilizers shall conform to the following practices: Fertilizer's used will be applied only in the minimum amounts recommended by the manufacturer. Once applied, fertilizer should be worked into the soil to limit exposure to storm water. The contents of any partially used bags of fertilizer will be transferred to a sealable plastic bin to avoid spills.

Spill prevention for paint and solvents shall conform to the following practices: All containers will be tightly sealed and stored when not required for use. EXCESS PAINT WILL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM but will be properly disposed of according to manufacturer's instructions or State or local regulations. Spill prevention and cleanup shall conform to IDEM form 327 IAC 2-6 and the Local Fire Department shall be contacted in the case of a material spill occurring.

CONTACT INFORMATION:
TOWN OF MCCORDSVILLE (PLANNING & BUILDING DEPARTMENT)
CALL (317) 335-3604 TO REPORT SPILL
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT EMERGENCY RESPONSE:
1-888-233-7744

(B15) MATERIAL HANDLING & STORAGE PROCEDURES ASSOCIATED WITH CONSTRUCTION ACTIVITY:

The material handling and storage procedures can be found under item B(14) on this sheet.

(C1) DESCRIPTION OF POLLUTANTS & THEIR SOURCES ASSOCIATED WITH THE PROPOSED LAND USE:

Potential pollutant sources that may appear at the site due to proposed land use activities include, but are not limited to vehicles, exposed soil and trash. Potential pollutants include, but are not limited to oil, grease, diesel fuel, gasoline, anti-freeze, automobile fluids, auto soap and fertilizer.

(C2) DESCRIPTION OF PROPOSED POST-CONSTRUCTION STORMWATER MEASURES:

Stormwater runoff from the subject site will be routed through A storm water quality unit (AquaSwirl Xcelerator) to remove suspended solids, debris, floatables before the water passes into the Isolator row of the on-site infiltration/detention system. See sheets C3.0, C7.1 for location, details and specifications of the stormwater routing and management. Stormwater runoff will be routed to the BMP for TSS removal, permanent seeding, and the implementation of a landscaping plan will help in the reduction of pollutants in stormwater run-off as well.

(C3) PLAN DETAILS FOR EACH STORMWATER MEASURE:

Stormwater runoff from the subject site will be routed through storm water quality unit (AquaSwirl Xcelerator) to remove suspended solids, debris, floatables before the water passes into the storm sewer system and routed downstream to the existing detention system. See sheets C3.0, C7.1 for location, details and specifications of the stormwater routing and management.

(C4) SEQUENCE DESCRIBING STORMWATER MEASURE IMPLEMENTATION:

The implementation sequence can be found under item B(12) on this sheet. Final (post construction) stormwater quality measures will be implemented as the installation of subsurface utilities, grading and pavement is finalized. The Stormwater Quality BMP (AquaSwirl Xcelerator), serving as the primary post construction stormwater quality measures, providing the needed 50% TSS removal as a stormwater quality BMP. The existing wet detention pond provides the remaining TSS removal.

(C5) MAINTENANCE GUIDELINES FOR PROPOSED POST-CONSTRUCTION STORMWATER MEASURES:

An Operations & Maintenance Manual has been provided for the Stormwater Quality BMPs (AquaSwirl Xcelerator). Remove all trash or debris collected above inlet castings and within the storm sewer infrastructure. The pavement should be swept and kept free of sediment carried in by vehicles. A dry absorbent material such as "kitty litter" or "floor dry" should be used to soak up liquids left behind by vehicles. Keep all turf and trees well irrigated to promote vigorous growth. The maintenance for the proposed post-construction water quality measures will be provided for by the property owner.

(C6) ENTITY THAT WILL BE RESPONSIBLE FOR THE OPERATION & MAINTENANCE OF THE STORMWATER MEASURES:

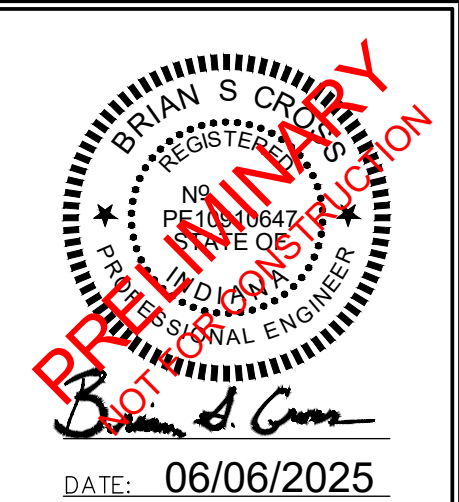
The maintenance for the proposed post-construction Stormwater Quality BMP (AquaSwirl Xcelerator) will be provided for by the property owner.

DAVE CRAVENS
BDC REALTY GROUP, LLC
6274 SOUTH FOX CHASE
PENDLETON, INDIANA 46064
(765) 635-5559

REVISION RECORD				
REV	DATE	DESCRIPTION	DES BY	APP BY

BDC REALTY GROUP, LLC
6274 S FOX CHASE
PENDLETON, IN 46064

CIVIL SITE GROUP, INC.
718 Adams Street, Suite E
Carmel, Indiana 46032
Ph: (317) 810-1677



DWN BY:	BSC
CHKD. BY:	BSC
SCALE:	N/A
DATE:	06/06/25

TOPOGRAPHIC & BOUNDARY NOTE

ALL EXISTING HORIZONTAL AND VERTICAL INFORMATION HAS BEEN SHOWN PER A TOPOGRAPHIC SURVEY DATED 03/11/2024 PREPARED BY CROSSROAD ENGINEERS, P.C.; THEREFORE, CIVIL SITE GROUP, INC. CANNOT BE HELD RESPONSIBLE IF ACTUAL HORIZONTAL AND VERTICAL DATA IS DIFFERENT FROM THAT SHOWN ON THESE PLANS. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL EXISTING CONDITIONS PRIOR TO COMMENCING WITH CONSTRUCTION.

FLOOD NOTE

THIS LOT LIES ENTIRELY IN FLOOD HAZARD ZONE "X" AS SCALED FROM THE FLOOD INSURANCE RATE MAP (FIRM) FOR HANCOCK COUNTY, INDIANA, COMMUNITY NUMBER 180408, MAP NUMBER 18059C0016D, PANEL NUMBER 0016 D, DATED DECEMBER 4, 2007.

REFERENCE NFIP FIRM MAP #18059C0016D, EFFECTIVE DATE: DECEMBER 4, 2007

UTILITY VALVE NOTE

ALL UTILITY VALVES AFFECTED BY CONSTRUCTION SHALL BE ADJUSTED TO FINAL GRADE AS NEEDED TO BE FLUSH WITH FINISHED PAVEMENT, SIDEWALK OR LANDSCAPE AREA.

UTILITY LOCATE NOTE

INDIANA 811 FAILED TO LOCATE ALL EXISTING UTILITIES ON AND/OR SURROUNDING THE SUBJECT SITE; THEREFORE, CONTRACTOR IS RESPONSIBLE TO LOCATE AND FIELD VERIFY ANY EXISTING UTILITIES BEFORE COMMENCING WITH CONSTRUCTION. CIVIL SITE GROUP, INC. CANNOT BE HELD RESPONSIBLE IF THE PROPOSED IMPROVEMENTS INTERFERE WITH ANY EXISTING UTILITY INFORMATION NOT SHOWN ON THESE PLANS.

IRRIGATION NOTE

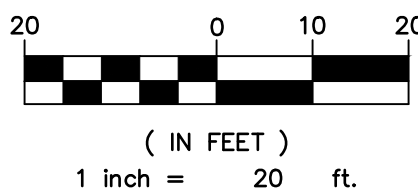
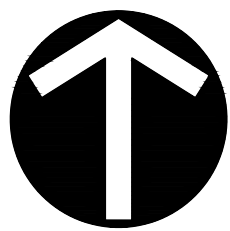
SITE IRRIGATION IS NOT SHOWN ON THESE PLANS. IF SITE IRRIGATION IS REQUIRED, CONTRACTOR SHALL WORK WITH THE LOCAL WATER UTILITY TO DETERMINE THE REQUIREMENTS & LOCATION FOR THE IRRIGATION METER & SITE IRRIGATION SYSTEM.

NOTE

REFER TO ARCHITECTURAL & FOUNDATION PLANS FOR ALL BUILDING DIMENSIONS.

GENERAL NOTES

- TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION TO CONFORM TO APPLICABLE LOCAL AND STATE STANDARDS.
- ALL CONSTRUCTION ACTIVITY ON THIS SITE TO BE PERFORMED IN COMPLIANCE WITH APPLICABLE O.S.H.A. STANDARDS FOR WORKER SAFETY.
- IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY ALL UTILITY LOCATIONS & DEPTHS BEFORE CONSTRUCTION BEGINS.
- IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY ALL EXISTING ELEVATIONS BEFORE CONSTRUCTION BEGINS.

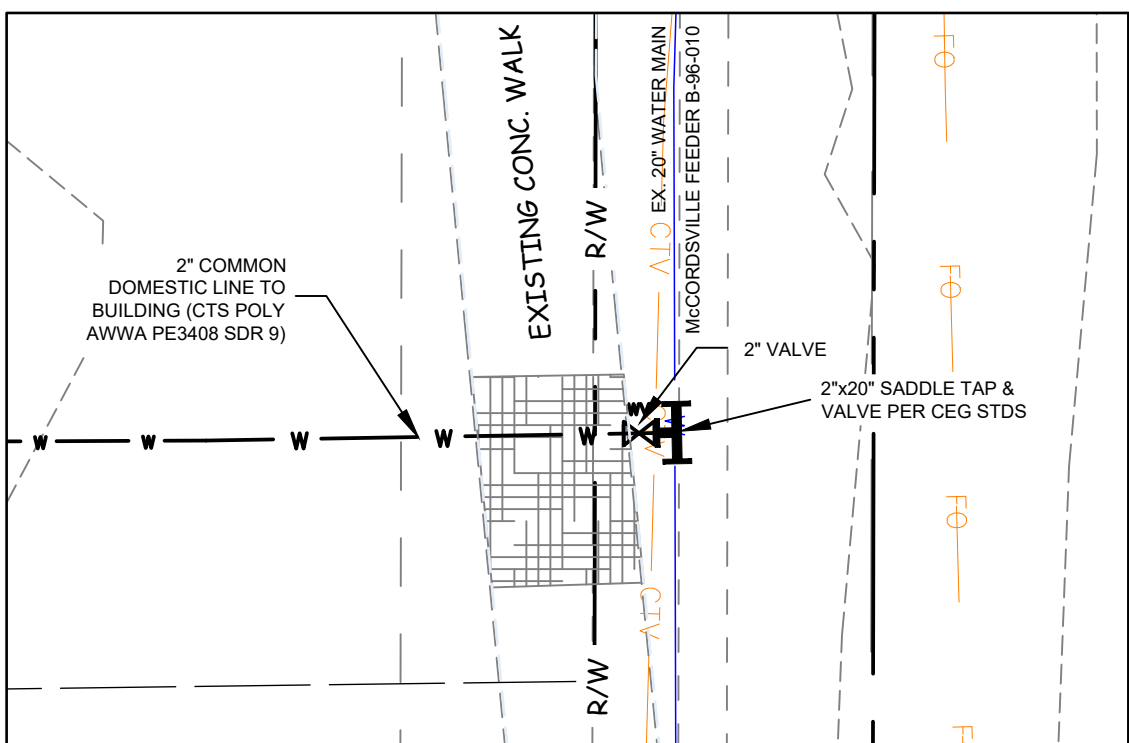


REVISION RECORD

REV	DATE	DESCRIPTION	DES BY	APP BY
1	07/01/25	REV. PER TAC REVIEW	BSC	BSC

LEGEND:

- PROPERTY BOUNDARY
- RIGHT-OF-WAY
- PROPOSED STORM SEWER
- PROPOSED STORM STRUCTURE
- PROPOSED ELECTRIC SERVICE
- PROPOSED TELECOM SERVICE
- PROPOSED GAS SERVICE
- PROPOSED RPM - BLUE REFLECTOR
- PROPOSED PRIMARY 3Ø NINESTAR CONNECT ELECTRIC TRANSFORMER
- KICKER, PLUG, TEE, BEND FITTING
- GATE VALVE
- HYDRANT WITH HYDRANT VALVE
- 6" SAN. LATERAL CLEANOUT--CLEANOUTS INSTALLED IN PAVED AREAS MUST HAVE A HEAVY DUTY CASTING TO WITHSTAND TRAFFIC LOADING. REFER MCCORDSVILLE DETAIL SHEETS 8-10



PLAN NOTES:

- (A) LIGHT POLE FOUNDATION (REFER TO LIGHTING PLAN)
- (B) PEDESTRIAN BOLLARD LIGHT (REFER TO LIGHTING PLAN)
- (UX) UTILITY CROSSING
- (L1) 25± LF OF 6-INCH SDR35 PVC (ASTM D-3034) @ 1.04% MIN. WITH TRACER WIRE ATTACHED PER MCCORDSVILLE STDS. REFER MCCORDSVILLE DETAIL SHEETS 8 & 9
- (L2) 55± LF OF 6-INCH SDR35 PVC (ASTM D-3034) @ 1.04% MIN. WITH TRACER WIRE ATTACHED PER MCCORDSVILLE STDS. REFER MCCORDSVILLE DETAIL SHEETS 8 & 9
- (L3) 25± LF OF 6-INCH SDR35 PVC (ASTM D-3034) @ 1.04% MIN. WITH TRACER WIRE ATTACHED PER MCCORDSVILLE STDS. REFER MCCORDSVILLE DETAIL SHEETS 8 & 9
- (CC) CONCRETE CRADLE REQ'D. BETWEEN PIPES
- (18) 10 FOOT HORIZONTAL & 18-INCH VERTICAL SEPARATION REQ'D. BETWEEN SEWER (SANITARY OR STORM) & WATER SERVICE LINES
- (UT) PROPOSED 3Ø 120/208V ELECTRIC TRANSFORMER BY NINESTAR CONNECT
- (M) 3/4-INCH METER PIT PER CEG STDS. RPZ TO BE SET INSIDE BLDG. REFER TO CEG STD. PRACTICE T
- (M1) 1-INCH METER PIT PER CEG STDS. RPZ TO BE SET INSIDE BLDG. REFER TO CEG STD. PRACTICE T
- (1) 1-INCH I.D. COMMON DOMESTIC WATER SERVICE LINE (CTS POLY AWWA, PE3408 SDR9)
- (2) 2-INCH I.D. COMMON DOMESTIC WATER SERVICE LINE (CTS POLY AWWA, PE3408 SDR9); REFER TO CEG STD. PRACTICE N
- (BF) RPZ BACKFLOW TO BE SET INSIDE BLDG. PER CEG STDS.
- (T) TELECOM SERVICE - 4-INCH PVC CONDUIT (QTY 2)
- (G) 1000 GALLON (MIN) GREASE TRAP. REFER MCCORDSVILLE DETAIL SHEET 8 & DETAIL SHEET C7.1
- (SS) SAMPLING STRUCTURE DOWNSTREAM OF GREASE TRAP PER MCCORDSVILLE STDS.

UTILITY NOTES

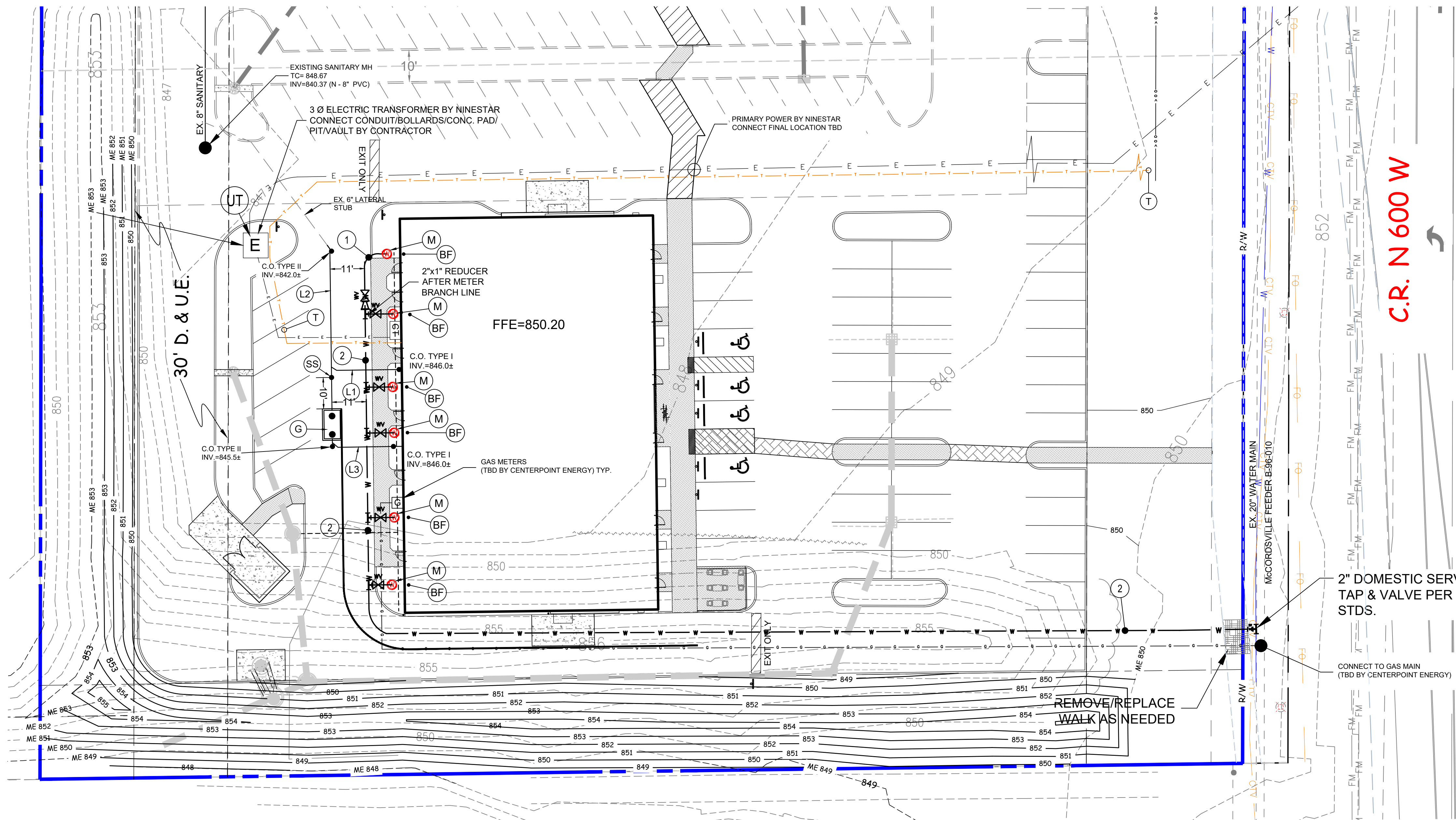
- IT SHALL BE THE RESPONSIBILITY OF EACH CONTRACTOR TO VERIFY ALL EXISTING UTILITIES AND CONDITIONS PERTAINING TO THEIR PHASE OF WORK. IT SHALL ALSO BE THE CONTRACTORS RESPONSIBILITY TO CONTACT THE OWNERS OF THE VARIOUS UTILITIES FOR PROPER STAKE LOCATIONS FOR EACH UTILITY BEFORE WORK IS STARTED. THE CONTRACTOR SHALL NOTIFY IN WRITING THE OWNER OR THE ENGINEER OF ANY CHANGES, OMISSIONS, OR ERRORS FOUND ON THESE PLANS OR IN THE FIELD BEFORE WORK IS STARTED OR RESUMED.
- STANDARD SPECIFICATIONS FOR THE LOCAL GOVERNING AGENCY SHALL APPLY FOR ALL SANITARY SEWERS, STORM SEWERS, AND WATER MAINS.
- ANY PART OF THE SANITARY OR STORM SEWER TRENCHES RUNNING UNDER PAVED AREAS TO BE BACKFILLED WITH GRANULAR MATERIAL.
- ALL WATER MAINS TO HAVE 60" MINIMUM COVER OVER TOP OF PIPE.
- STERILIZATION OF WATER MAIN SHALL BE IN ACCORDANCE WITH STATE BOARD OF HEALTH REQUIREMENTS. (APPLIES TO COMMERCIAL ONLY)
- CONTRACTOR RESPONSIBLE TO INSTALL ALL UNDERGROUND CONDUIT PER UTILITY COMPANY'S SPECIFICATIONS.
- CONTRACTOR RESPONSIBLE FOR RESTORATION TO ALL AREAS AFFECTED DURING CONSTRUCTION. REFER TO THE TOWN OF FISHERS STANDARDS FOR RESTORATION REQ'S.
- CONTRACTOR TO LOCATE ALL EXISTING UTILITIES AT ANY PROPOSED CROSSING AND PROVIDE EXISTING TOP OF PIPE ELEVATIONS WITHIN 10 DAYS OF NOTICE TO PROCEED. PROVIDE CONCRETE CRADLE AS REQUIRED FOR ANY VERTICAL SEPARATION LESS THAN 18 INCHES.

SEWER LATERAL BACKFILL

FULL DEPTH GRANULAR BACKFILL IS REQ'D. UNDER ALL PAVEMENT. REFER TO MCCORDSVILLE DETAILS SHEETS 9 & 10

SITE LIGHTING NOTE

SITE LIGHTING IS NOT SHOWN ON THESE PLANS. 2-1/2" CONDUITS (SITE LIGHTING & SECURITY) REQUIRED TO ALL PARKING LOT LIGHT POLE LOCATIONS. ALL CONDUIT RUNS SHALL BE TRENCHED INSTALLED WITH COMPACTED GRANULAR BACKFILL TO PAVEMENT SUBGRADE - PLOWED OR RAKED. INSTALLATION OF CONDUITS ARE PROHIBITED



THE SHOPS at BROOKSIDE - BLOCK A

CR 600 W
McCORDSVILLE, IN 46055

UTILITY PLAN

PHASE II - SOUTH BUILDING

PROJECT NUMBER
BRG.007

DRAWING NUMBER
C5.0
SHEET 8 OF 24

BDC REALTY GROUP, LLC

6274 S FOX CHASE
PENDLETON, IN 46064

CIVIL SITE GROUP, INC.

718 Adams Street, Suite E
Carmel, Indiana 46032

Ph: (317) 810-1677



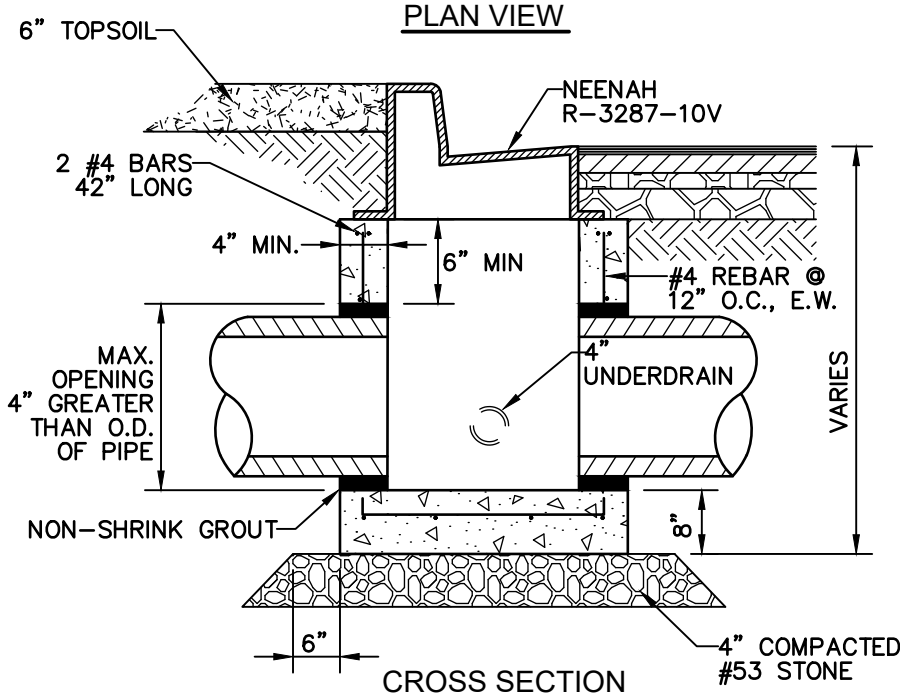
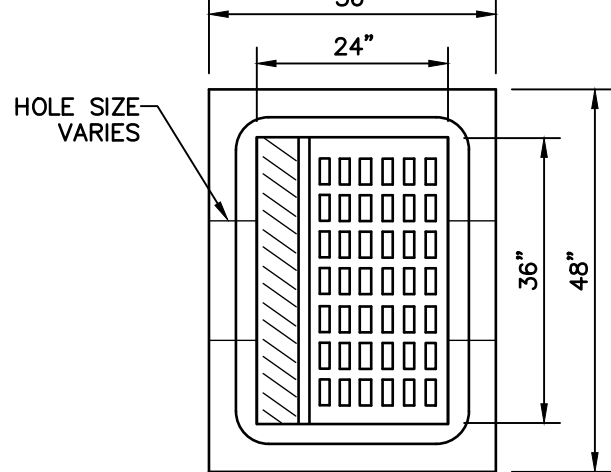
DWN BY: BSC
CHKD. BY: BSC
SCALE: 1" = 20'
DATE: 06/06/25

REVISION RECORD				
REV	DATE	DESCRIPTION	DES. BY	APP. BY
1	07/01/25	REV. PER TAC REVIEW	BSC	BSC

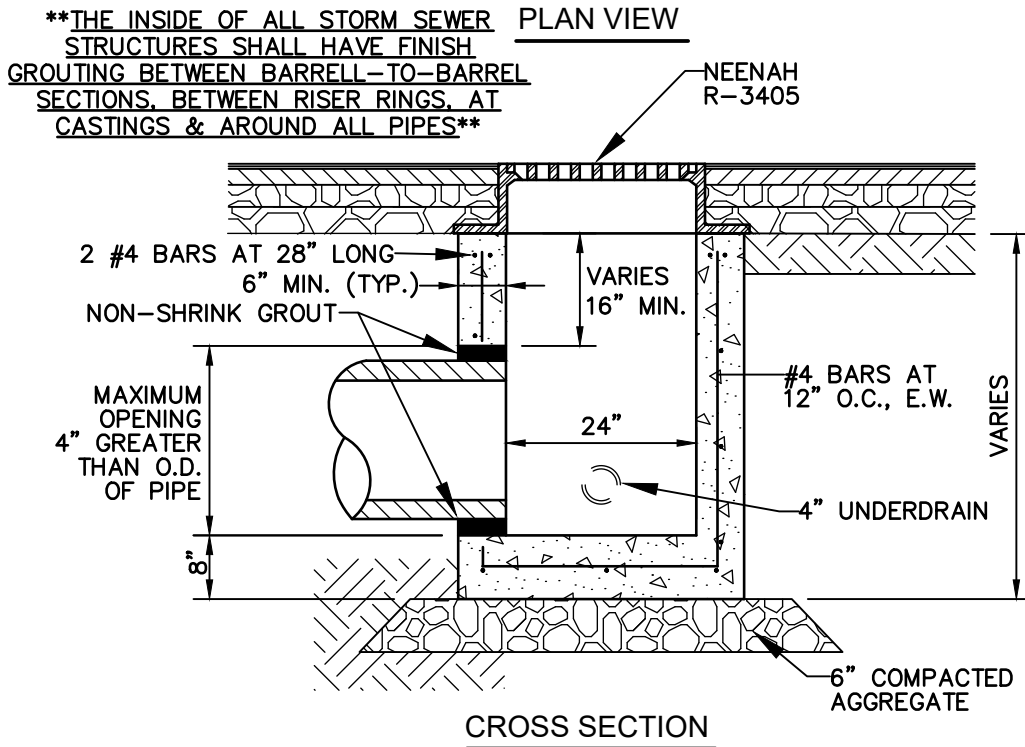
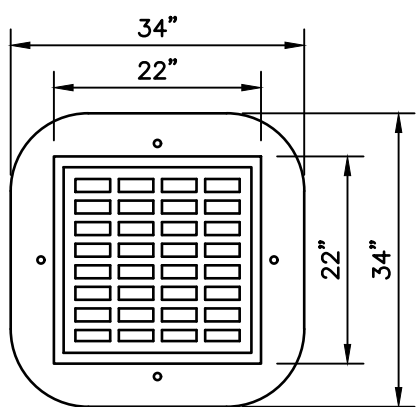
STORM SEWER INLET NOTE

ALL STORM WATER INLETS & CATCH BASIN CASTINGS SHALL BE LABELLED WITH ENVIRONMENTAL MESSAGING "NO DUMPING, DRAINS TO STREAM" CAST IN RAISED OR RECESSED LETTERS AT A MIN. 1-INCH HEIGHT. A SYMBOL OF A FISH SHALL ALSO BE CAST WITH THE LETTERS

****THE INSIDE OF ALL STORM SEWER STRUCTURES SHALL HAVE FINISH GROUTING BETWEEN BARRELL-TO-BARRELL SECTIONS, BETWEEN RISER RINGS, AT CASTINGS & AROUND ALL PIPES****

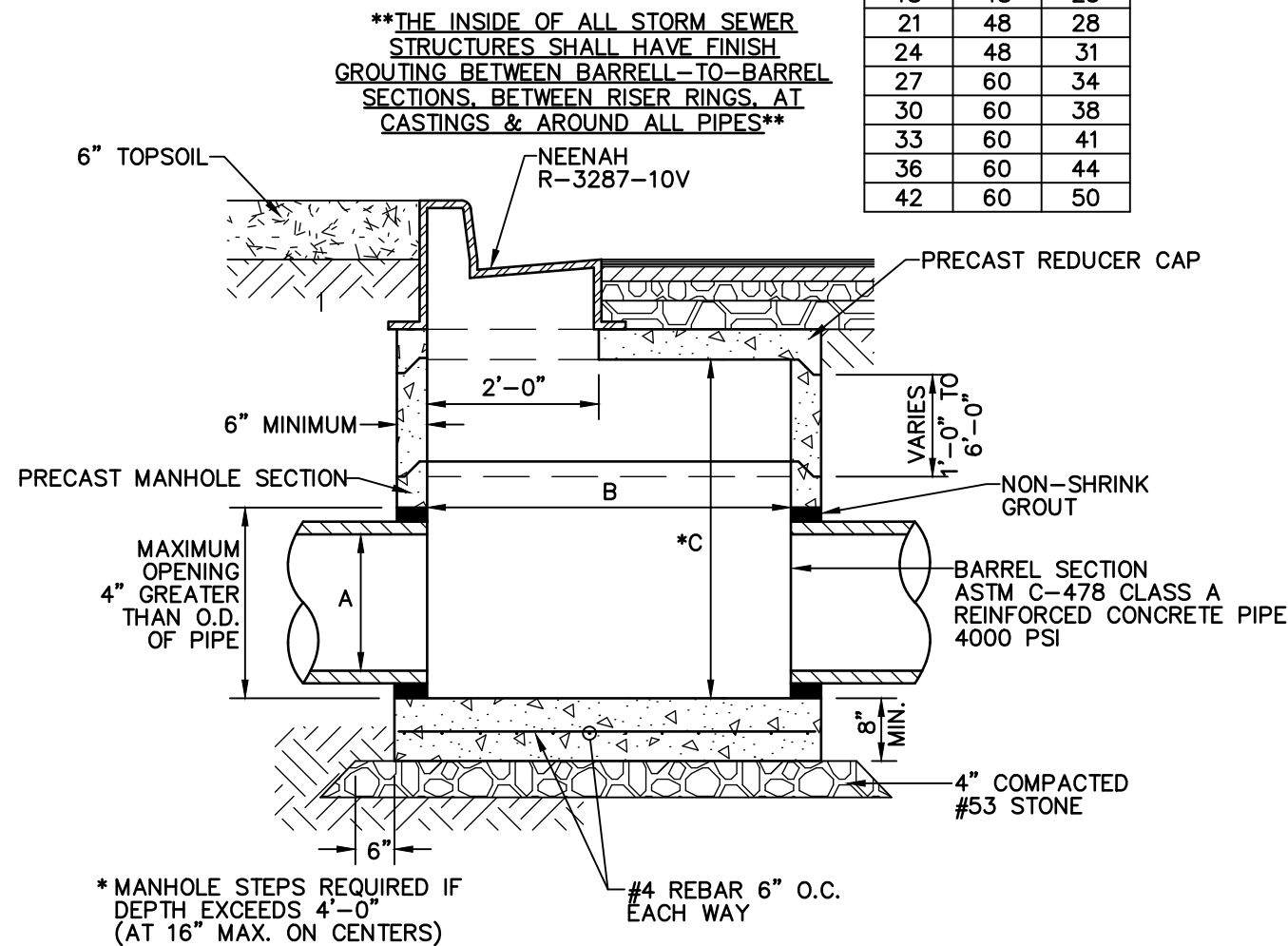


03 CURB INLET TYPE "M"
NOT TO SCALE



02 PAVEMENT INLET TYPE "A"
NOT TO SCALE

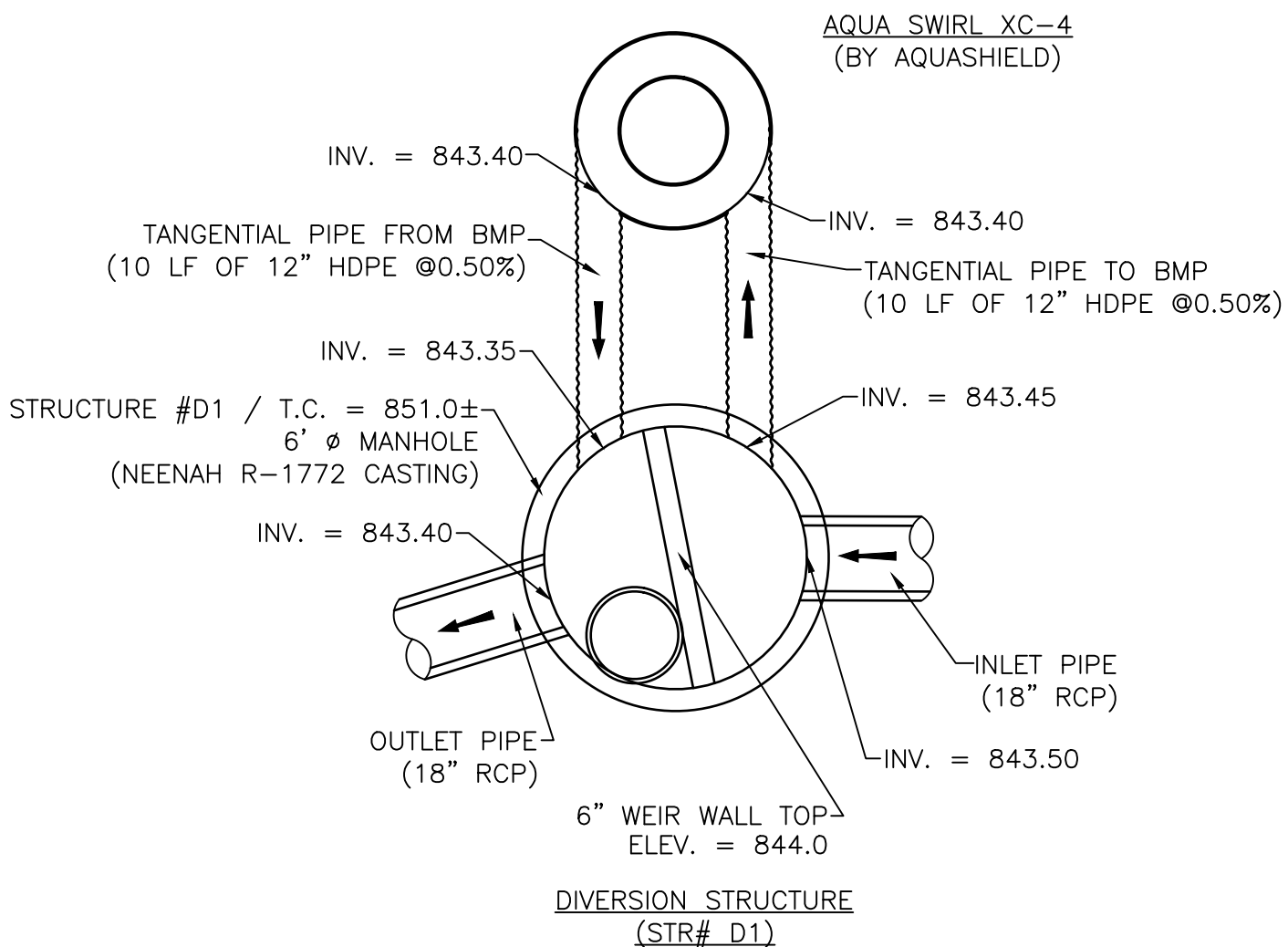
DIMENSIONS (INCHES)		
A (MAX.)	B (I.D.)	C (MIN.)
18	48	25
21	48	28
24	48	31
27	60	34
30	60	38
33	60	41
36	60	44
42	60	50



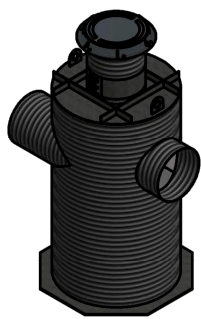
01 CURB MANHOLE
NOT TO SCALE

AQUA SWIRL OFF-LINE ARRANGEMENT

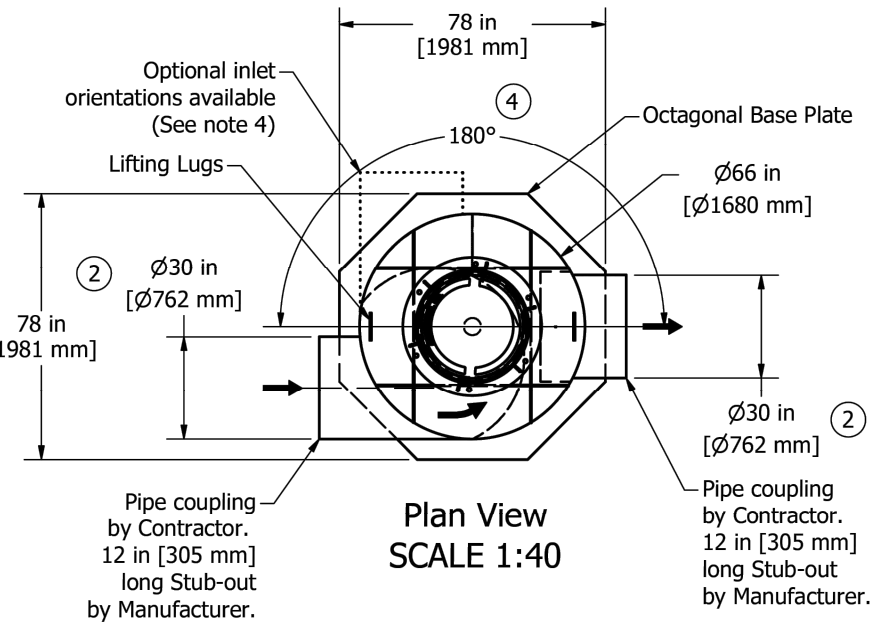
*****NOTE: BACKFILL AROUND THE PERIMETER OF THE STRUCTURE SHALL BE "B" BORROW OR EQUIVALENT GRANULAR MATERIAL COMPACTED TO 95% STANDARD PROCTOR DENSITY (INSTALLED IN MAX. 12" LIFTS)*****



Aqua-Swirl® Polymer Coated Steel (PCS) Stormwater Treatment System

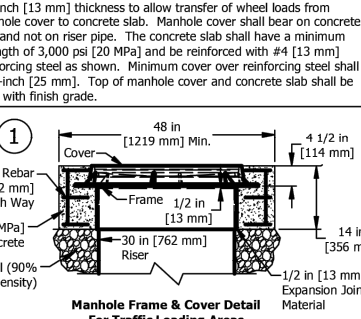


Projected View
SCALE 1:70

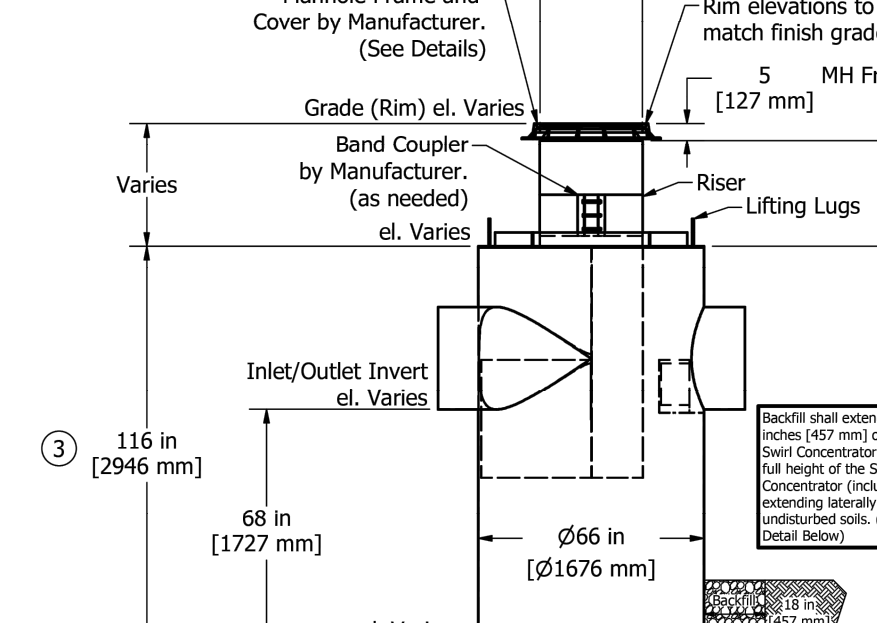


Plan View
SCALE 1:40

Aqua-Swirl® Polymer Coated Steel (PCS) Stormwater Treatment System



Projected View
SCALE 1:70



Elevation View
SCALE 1:40

SHOPPES at BROOKSIDE - BLOCK A

CR 600 W
McCORDSVILLE, IN 46055

GENERAL DETAILS
PHASE II - SOUTH BUILDING

PROJECT NUMBER
BRG.007

DRAWING NUMBER
C7.1
SHEET 10 OF 24

BDC REALTY GROUP, LLC

6274 S FOX CHASE,
PENDLETON, IN 46064

Civil Site Group, Inc.
718 Adams Street, Suite E
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Ph: (317) 810-1677



DWN BY: BSC
CHKD. BY: BSC
SCALE: N/A
DATE: 06/06/25

REVISION RECORD

REV	DATE	DESCRIPTION	DES BY	APP BY

EARTHWORK	8. EARTH WORK BALANCE
1. SCOPE OF WORK	A. The Contractor shall confirm all earthwork quantities prior to start of construction. If an excess or shortage of earth is encountered, the Contractor shall confirm with the Owner and Engineer the requirements for stockpiling, removal or importing of earth.
A. Extent: The work required under this section consists of all excavating, filling, rough grading and related items necessary to complete the work indicated on the drawings and described in the specifications. The Contractor shall notify in writing the owners and the Engineer of any changes, errors or omissions found on the plans or in the field before work is started or resumed.	B. Minor adjustments to the grades may be required to earthwork balances when minor excess material or shortages are encountered. It is recognized by the parties hereto that the calculations of the Engineer in determining earthwork quantities shall be accomplished in accordance with the American Society of Civil Engineers Standards for such calculations. Further, that these calculations are subject to the interpretations of soil borings as the physical limits of the various soil types, the allowable variation in finish grade and compaction permitted the contractor, and that all of these parameters may cause either an excess or shortage of actual earthwork materials to complete the project. If such an actual minor excess or shortage of materials occurs, the contractor shall contact the Engineer to determine if adjustment can be made to correct the imbalance of earth.
1. In general, the items of work to be performed under this section shall include: clearing and grubbing, removal of trees and stumps (where required), protection of trees to remain, stripping and storage of topsoil, fill compaction and rough grading of entire site.	9. TESTING
2. Excavated material that is suitable may be used for fills. All unsuitable material and all surplus excavated material not required shall be removed from the site. The location of dump and length of haul shall be the Contractor's responsibility.	A. Contractor shall hire at Contractors expense an independent soil testing service to assure soil compaction with scope of testing to be approved by Engineer. Copies of test results shall be submitted to the Engineer.
3. Provide and place any additional fill material from off the site as may be necessary to produce the grades required. Fill obtained from off site shall be of kind and quality as specified for fills herein and the source approved by the Owner.	
4. The Contractor shall accept the site as he finds it and shall remove all trees, rubbish and debris from the site prior to starting excavation.	
B. Work not included: The following items of related work are specified and included in other sections of these specifications:	
1. Excavation, grading and backfilling for utility lines	
2. Storm drainage systems	
3. Sanitary sewer systems	
4. Streets and paving	
5. Water supply system	

1. Excavation, grading and backfilling for utility lines	2. MATERIALS
2. Storm drainage systems	A. Polyvinyl Chloride Pipe (PVC)
3. Sanitary sewer systems	1. 6"-15" PVC pipe shall be SDR 35 and conform to ASTM D3034, with a minimum cell classification of 12454 or 12364. Greater than 15" PVC pipe shall conform to ASTM F679, with a minimum cell classification of 12454-C.
4. Streets and paving	2. All fittings and joints shall be compression type flexible gasketed joints, and manufactured and installed in accordance with the pipe manufacturer's specifications. No solvent cement joints shall be allowed.
5. Water supply system	B. Ductile Iron Pipe

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2. Excavated material that is suitable may be used for fills. All unsuitable material and all surplus excavated material not required shall be removed from the site. The location of dump and length of haul shall be the Contractor's responsibility.	A. Contractor shall hire at Contractors expense an independent soil testing service to assure soil compaction with scope of testing to be approved by Engineer. Copies of test results shall be submitted to the Engineer.
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1. Excavation, grading and backfilling for utility lines	2. MATERIALS
2. Storm drainage systems	A. Polyvinyl Chloride Pipe (PVC)
3. Sanitary sewer systems	1. 6"-15" PVC pipe shall be SDR 35 and conform to ASTM D3034, with a minimum cell classification of 12454 or 12364. Greater than 15" PVC pipe shall conform to ASTM F679, with a minimum cell classification of 12454-C.
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PLANTING SCHEDULE

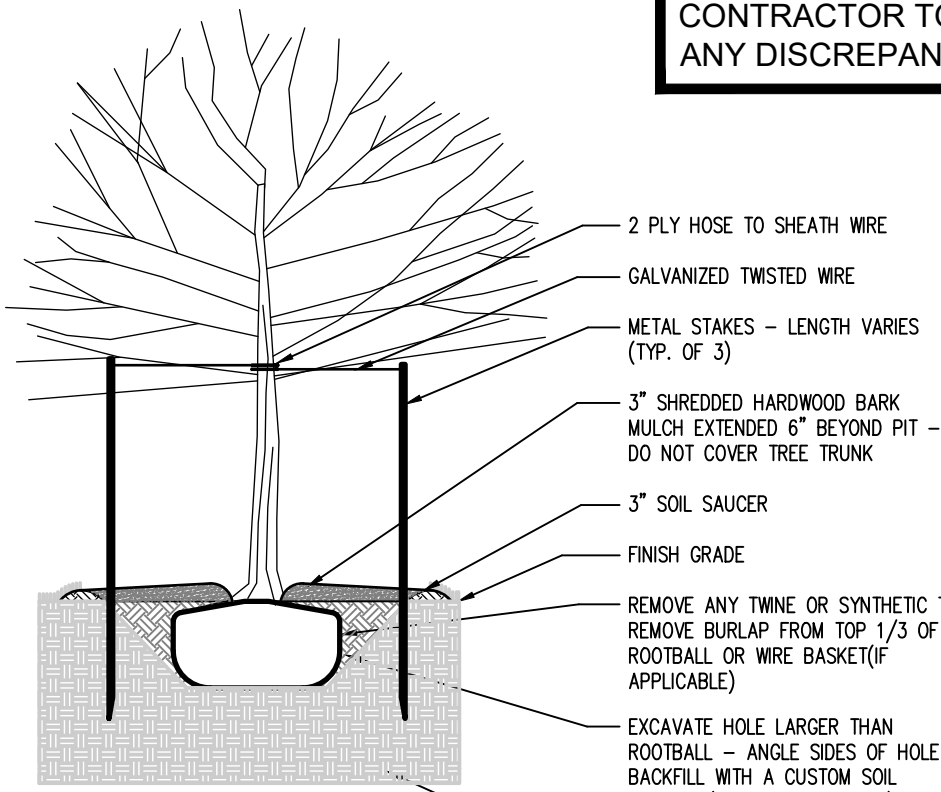
SYMBOL	Quantity	Common Name	Scientific Name
	6	Japanese Zelkova (Min. 2.5" Caliper 6" Above Root Ball)	ZELCOVA SERRATA
	26	CRESENDO MAPLE (Min. 2.5" Caliper 6" Above Root Ball)	ACER SACCHRAUM 'MORTON'
	23	THORNLESS HONEY LOCUST (Min. 2.5" Caliper 6" Above Root Ball)	GLENDITSIA TRIACANTHOS
	5	COLUMNAR EUROPEAN HORNBELM (Min. 2.5" Caliper 6" Above Root Ball; B&B)	CARPINUS BETULUS FASTIGIATA
	69	DENSIFORMIS YEW - MIN. 18" HIGH, 4' O.C.	TAXUS X MEDIA 'DENSIFORMIS'
	9	SPIREA 'CRISP LEAF' - (Min. 18" High, 4' O.C.)	SPIRAEA X BUMALDA 'CRISPA'
	18	"GREEN VELVET BOXWOOD" (Min. 18" Height)	BUXUS x 'Green Velvet'
	14	"DWARF FOUNTAIN GRASS" - 4' O.C.	
	12	RED KNOCKOUT ROSE SHRUB - #3 CONT., 4' O.C.	ROSA - RADRAZZ
	14	Tiny Tuff Stuff (Hydrangea serrata "MAKO" USPP 24,842)	
	24	"SEA GREEN" JUNIPER 18" HIGH, 4' O.C. - TYP.	JUNIPERUS CHINENSIS
	32	Assorted "Happy Returns Daylily" and Hemerocallis "Tennessee Volunteer" Daylily	

LANDSCAPE CALCULATIONS

PARKING PERIMETER:	
EAST LENGTH:	191 FT
TREES REQ'D:	4 (1 TREE PER 50LF)
TREES PROVIDED:	4
PARKING:	
INTERIOR PARKING AREA:	41,345 S.F.
LANDSCAPE AREA REQ'D:	2,068 S.F. (5%)
LANDSCAPE AREA PROVIDED:	3,886 S.F. (9.4%)
TREES REQ'D:	6 (1 TREE PER 2,400 SF PKG AREA)
TREES PROVIDED:	8
SHRUBS REQ'D:	27 (1 SHRUB PER 500 SF PKG AREA)
SHRUBS PROVIDED:	34+
BUFFER YARD (WEST):	
BUFFER LENGTH:	227 FT
TREES REQ'D:	16 (7 TREES PER 100LF)
TREES PROVIDED:	18
SHRUBS REQ'D:	23 (10 SHRUBS PER 100LF)
SHRUBS PROVIDED:	26
BUFFER YARD (SOUTH):	
BUFFER LENGTH:	318 FT
TREES REQ'D:	23 (7 TREES PER 100LF)
TREES PROVIDED:	27
SHRUBS REQ'D:	32 (10 SHRUBS PER 100LF)
SHRUBS PROVIDED:	32
STREET FRONTAGE (OVERLAY):	
LENGTH:	227 FT
TREES REQ'D:	5 (1 TREE PER 50LF)
TREES PROVIDED:	5

EXISTING CONDITIONS NOTE

CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS, INCLUDING UTILITIES AND DRAINAGE INFRASTRUCTURE BEFORE COMMENCING WITH CONSTRUCTION. CONTRACTOR TO NOTIFY ENGINEER OF ANY DISCREPANCIES.



SECTION

DECIDUOUS TREE DETAIL

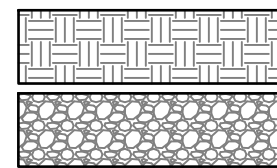
SCALE: NOT TO SCALE

SPECIES NOTE

THE SPECIES OF THE TREES AND SHRUBS SHOWN ON THIS LANDSCAPE PLAN ARE SUBJECT TO CHANGE BASED ON SEASONAL AVAILABILITY. ALL SUBSTITUTIONS WILL BE OF SPECIES APPROVED BY THE TOWN OF PENDLETON.



LEGEND:



APPROX. PROJECT SITE LIMITS

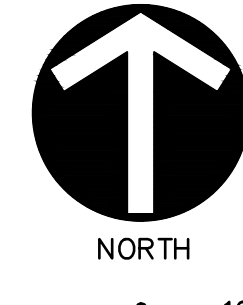
2-INCH DEEP HARDWOOD MULCH BED. COLOR SELECTED BY OWNER.
BUILDING BASE LANDSCAPE RIVER ROCK BED OVER WEED BARRIER. TO BE SELECTED BY OWNER.

LANDSCAPE NOTE

ALL LANDSCAPING SHALL BE IN ACCORDANCE WITH THE TOWN OF MCCORDSVILLE ZONING ORDINANCE. THE MINIMUM LANDSCAPING IMPROVEMENTS ARE SUBJECT TO FINAL INSPECTION.

PLAN NOTES:

- (TR) TRASH ENCLOSURE - SEE ARCHITECTURAL PLAN FOR DETAIL
- (PS) PERMANENT SEED/STRAW MULCH DISTURBED AREAS
- (BR) DERO HOOP BIKE RACK HR-FT-EPX BLACK



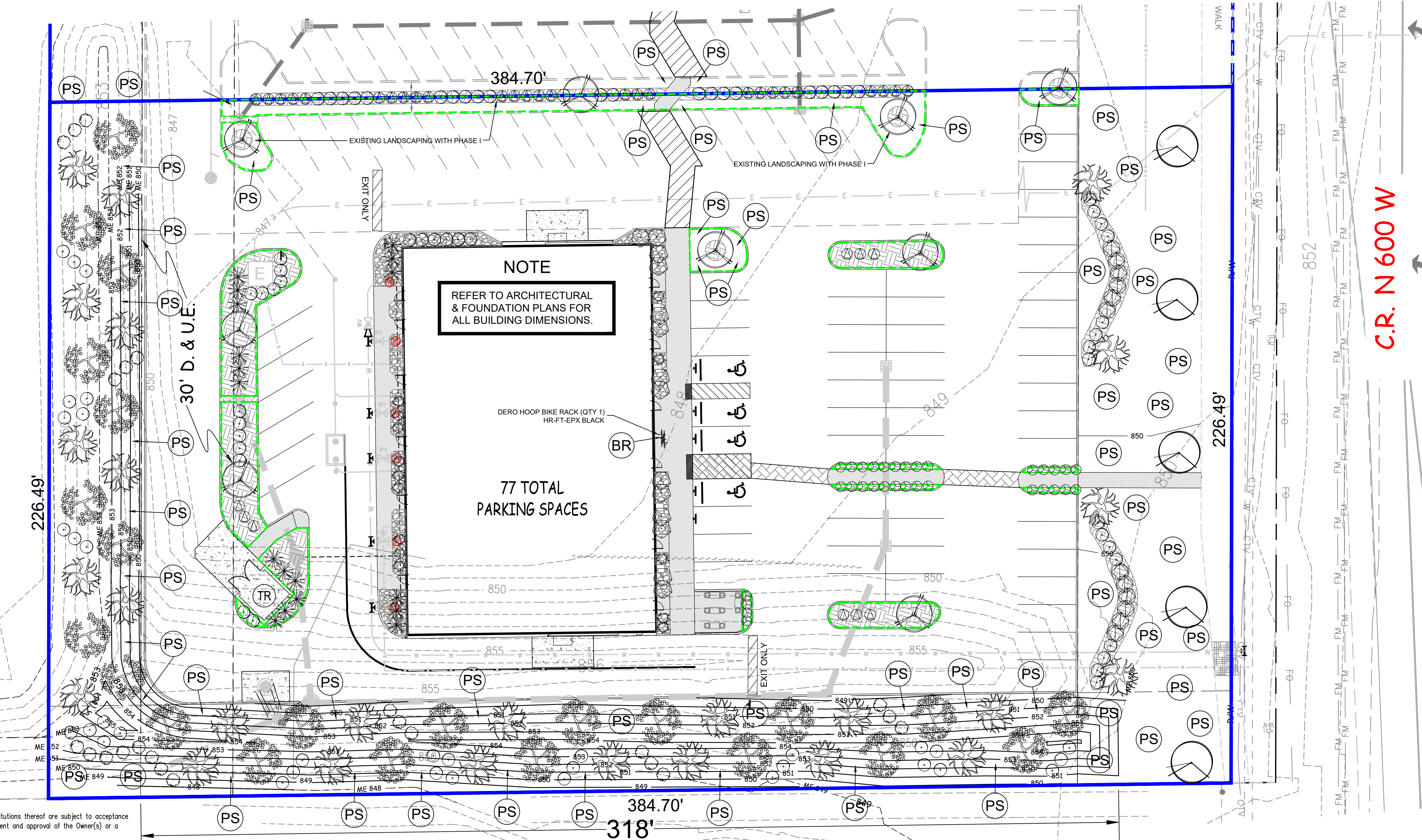
(IN FEET)
1 inch = 20 ft.

REVISION RECORD

REV	DATE	DESCRIPTION	DES BY	APP BY
1	07/01/25	REV. PER TAC REVIEW	BSC	BSC

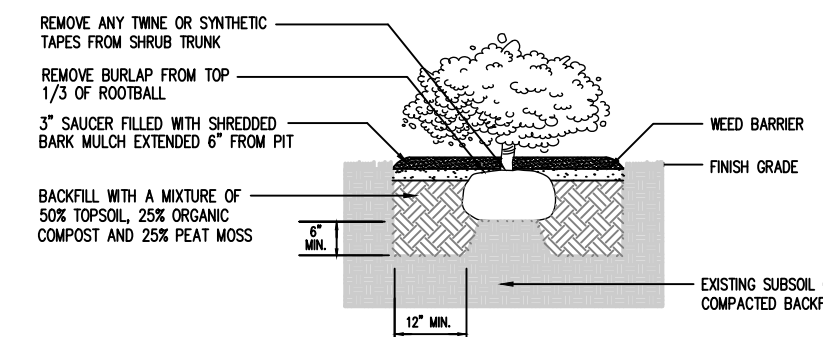
IRRIGATION NOTE

SITE IRRIGATION IS NOT SHOWN ON THESE PLANS. IF SITE IRRIGATION IS REQUIRED, CONTRACTOR SHALL WORK WITH THE LOCAL WATER UTILITY TO DETERMINE THE REQUIREMENTS & LOCATION FOR THE IRRIGATION METER & SITE IRRIGATION SYSTEM.



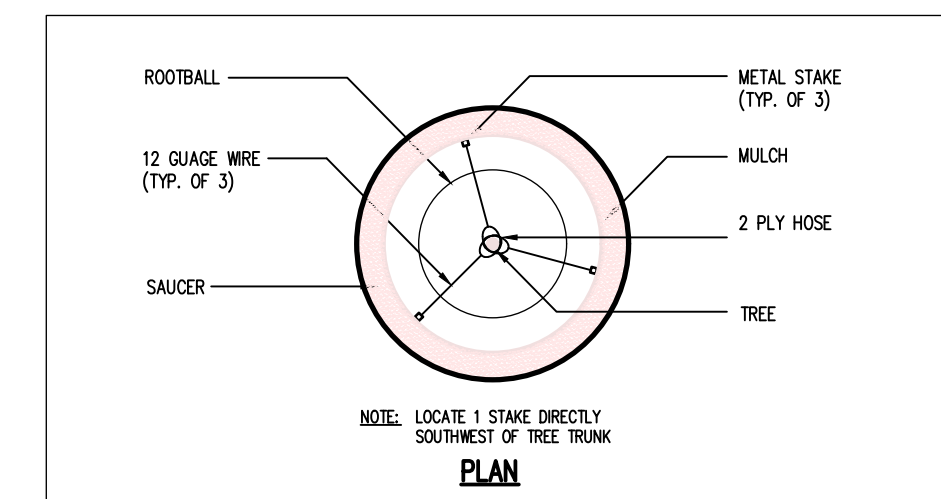
TOPOGRAPHIC & BOUNDARY NOTE

ALL EXISTING HORIZONTAL AND VERTICAL INFORMATION HAS BEEN SHOWN PER A TOPOGRAPHIC SURVEY DATED 03/11/2024 PREPARED BY CROSSROAD ENGINEERS, P.C.; THEREFORE, CIVIL SITE GROUP, INC. CANNOT BE HELD RESPONSIBLE IF ACTUAL HORIZONTAL AND VERTICAL DATA IS DIFFERENT FROM THAT SHOWN ON THESE PLANS. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL EXISTING CONDITIONS PRIOR TO COMMENCING WITH CONSTRUCTION.



SHRUB DETAIL

SCALE: NOT TO SCALE



TREE STAKING DETAIL

SCALE: NOT TO SCALE

SHOPPES at BROOKSIDE - BLOCK A

CR 600 W
MCCORDSVILLE, IN 46055

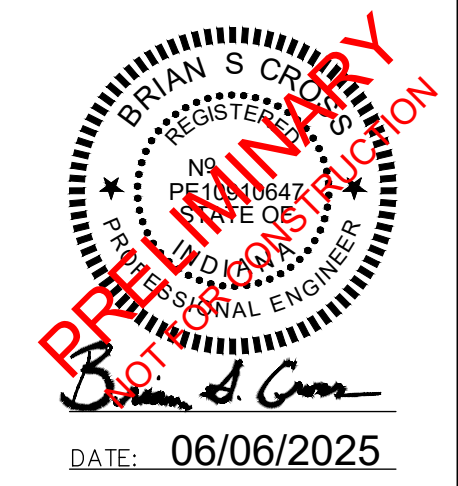
LANDSCAPE PLAN
PHASE II - SOUTH BUILDING

PROJECT NUMBER
BRG.007

DRAWING NUMBER
L1.0
SHEET 13 OF 24

BDC REALTY GROUP, LLC
6274 S FOX CHASE
PENDLETON, IN 46064

CIVIL SITE GROUP, INC.
718 Adams Street, Suite E
Carmel, Indiana 46032
Ph: (317) 810-1677



DWN BY: BSC
CHKD. BY: BSC
SCALE: 1"=20'
DATE: 06/06/25

GENERAL PLAN NOTES:

- Firm Name and Address
- LIGHT | source**
THE LIGHTING & CONTROLS EXPERTS
- 8719 CASTLE PARK DRIVE
INDIANAPOLIS, IN 46256
WWW.LIGHTSOURCEINDIANA.COM
p:317-598-6900

**VILLAGES AT
BROOKSIDE - PHASE
II**

Drawn By _____

Date 6/23/2025

Sheet No. _____

Disclaimer
This lighting submital is strictly based on the information provided to LGI/Hoster, and is provided without warranty as to accuracy, completeness, reliability or otherwise. If the information (including but not limited to, drawings, reflected color, electrical plans and specifications) provided to Acuity Brands is incomplete or not current (i.e., newer versions exist), the accuracy of proposed design may be adversely affected. Once this lighting submital is received by the customer or end-user (as applicable) it is the obligation of the customer or end-user (as applicable) to consult with a professional engineering advisor to determine whether the proposed design meets the applicable regulatory requirements, lighting system design, code compliance, safety, reliability and effectiveness of use in a particular application. In no event will LGI/Hoster be responsible for any loss resulting from any use of any information contained in this lighting submital.






The site plan illustrates the proposed building footprint, which is a rectangular structure measuring 60' by 60'. The building is situated within a larger lot area. Key features include:

- Proposed Building:** A rectangular footprint labeled "PROPOSED BUILDING 10,294+6.5F".
- Setbacks:** Various setback distances are indicated around the building footprint, such as "S1 @ 20'", "S2 @ 20'", "W1 @ 10'", and "W2 @ 10'".
- Easements:** Several easements are shown, including "EY S2 @ 20'", "EY S2 @ 20'", "W1 @ 10'", "W2 @ 10'", "S1 @ 20'", "S2 @ 20'", "W1 @ 10'", "W2 @ 10'", "S1 @ 20'", and "S2 @ 20'".
- Existing Detention Pond:** An "EXISTING DETENTION POND" is located adjacent to the proposed building.
- Other Features:** The plan also shows "BLOCK A 247911.70 sft 5.691 Acres", "30' BUFFER VAR", "EXISTING WALKWAY", and "C.R. N 600 W".

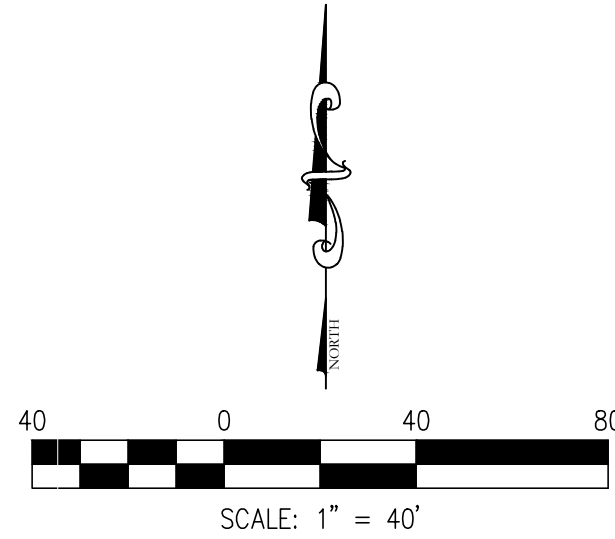
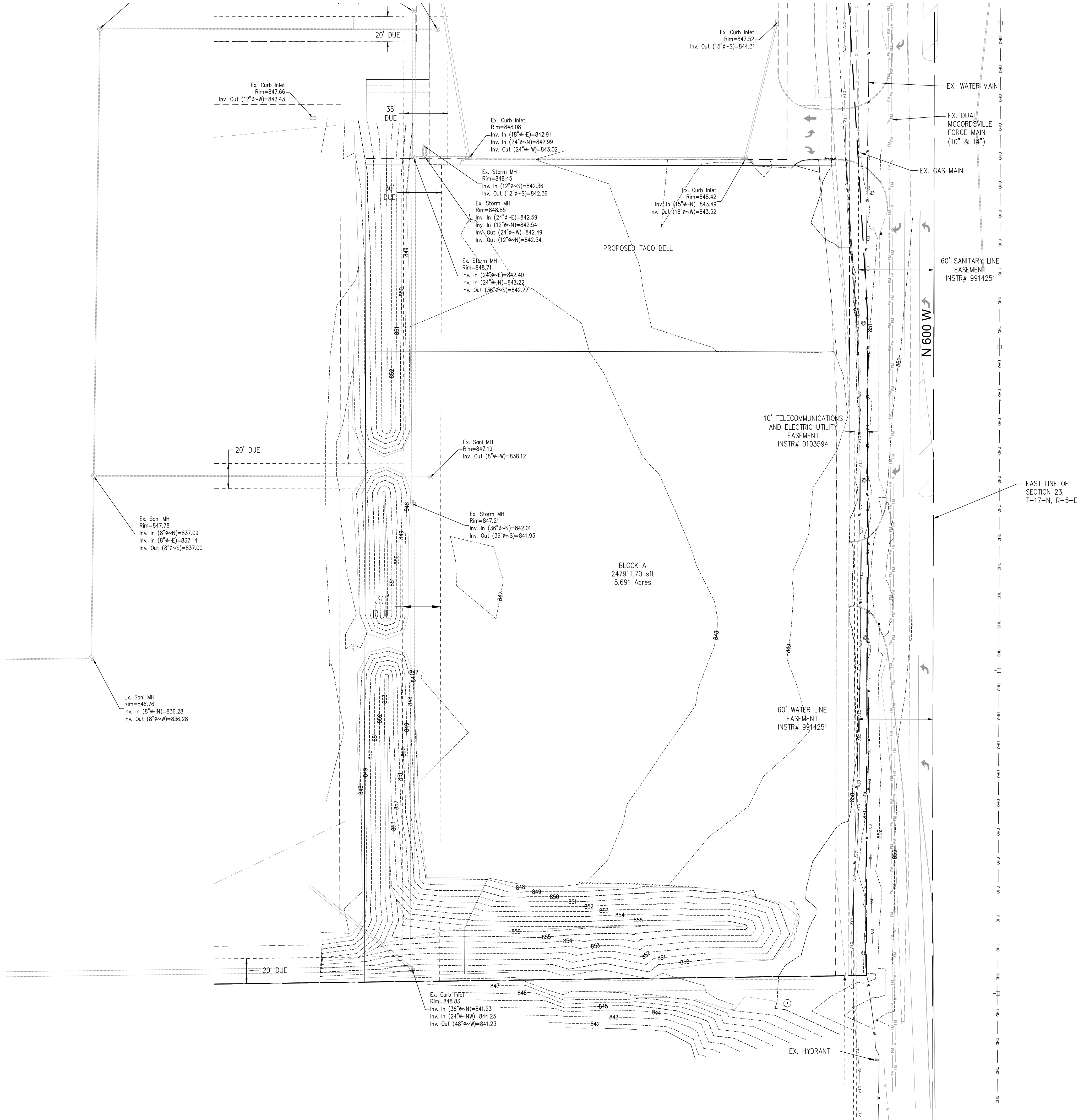
SCALE : $\frac{1}{32}" = 1\text{FT}$

The figure displays four examples of LED lighting products:

- Oden Array LED Spotlights:** A technical specification sheet for Oden Array LED spotlights. It includes a product photo, a table of specifications (Model, Power, Voltage, Current, etc.), and a detailed cut-off angle diagram showing beam spread options.
- Versal-ED Lighting:** A technical specification sheet for Versal-ED Lighting's WSPD-C LED fixtures. It features a product photo, a table of specifications, and a detailed cut-off angle diagram.

Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Lumens Per Foot	Light Loss Factor	Wattage
	S1	2	Visonare Lighting LLC	QDEN-TLS-10.3K-UNVLS CUTOFF	QDEN 1 ARRAY 10000 LUMENS T5.5 CUTOFF LOUVER SHIELD 65W	7601	0.95	65.52
	S2	6	Visonare Lighting LLC	QDEN-TLS-10.3K-UNVLS MOUNTED AT 20"	QDEN 1 ARRAY 10000 LUMENS T5.5 CUTOFF LOUVER SHIELD 65W	7621	0.95	65.52
	W1	12	ELDP, Inc.	WPS3-420-Q2-Q40-73	Formed back-silver housing	4614	0.95	40.9954
	W2	3	Arreona Nail Plate	WPS1601/16LNNVKN	16"X16" W/ARREONA SHIELD 16W CREE LED Module - Dome Lens, 4000K CPT	1852	0.95	17.67
	EX-S2	2	EXISTING	EXISTING	EXISTING	7621	0.95	65.52

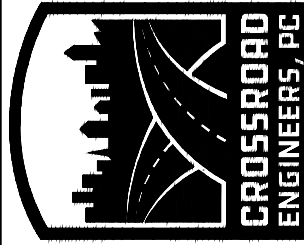
DIRECTORY PATH : R:\Active\BOC Realty\Villages At Brookside - Block A\Design\CAD\Deliverables
DATE/USER : 3/11/2024 4:20 PM / KJgg



TOPOGRAPHICAL NOTES

1. THIS IS NOT A BOUNDARY SURVEY.
2. UTILITIES ARE GRAPHICAL REPRESENTATION PER SURVEY AND MAPPING.
3. EXISTING INFORMATION ON LOT 1, BLOCK A REFLECTS DESIGN INFORMATION PER PLANS DATED FEBRUARY 19, 2021 WITH A LATEST REVISION DATE OF MAY 14, 2021. ACTUAL IN PLACE ELEVATIONS WILL NEED TO BE CONFIRMED BY CONTRACTOR.

EXISTING UTILITY SIZE AND MATERIAL INFORMATION SHOWN ON THESE PLANS ARE PER THE BEST GRAPHICAL AND VISIBLE INFORMATION AVAILABLE. CONFLICTS MAY EXIST AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL SIZING AND MATERIAL INFORMATION PROVIDED. IF ACTUAL CONDITIONS DIFFER FROM THAT INFORMATION SHOWN ON THE PLANS, THE CONTRACTOR SHALL, PRIOR TO THE INSTALLATION OF ANY PROPOSED INFRASTRUCTURE, NOTIFY THE DESIGN ENGINEER IMMEDIATELY.

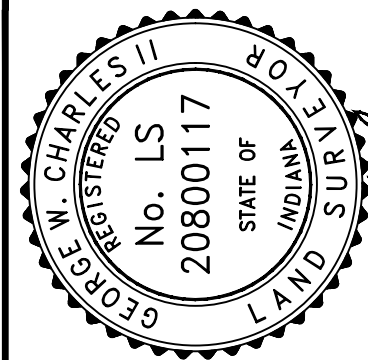


TOPOGRAPHICAL SURVEY

BLOCK A

JOB No.	DRAWN	KLF	CHECKED	GWC
DATE	MARCH 11, 2024	DESIGNED	APPR.	GWC

SHEET



NO.	DATE	REVISIONS	BY	APPR.
9				
8				
7				
6				
5				
4				
3				
2				
1				

SHEET