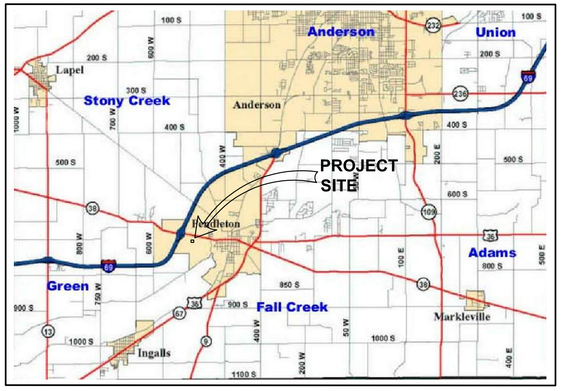
SITE DEVELOPMENT INFRASTRUCTURE PLANS

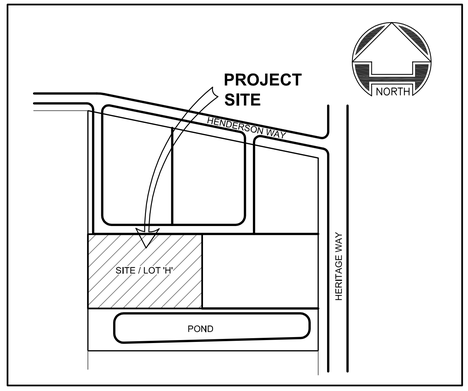
FOR

FAIRFIELD INN & SUITES

LOT #4 AT HERITAGE HUB ADDITION, FALLS POINTE BUSINESS PARK
PENDLETON, IN 46064



COUNTY LOCATION MAP



PROJECT VICINITY MAP

OWNER:
NIRVANA HOSPITALITY GRP
15103 BENTFIELD COURT
FISHERS, IN 46037
MR. RAKESH PATEL
804-506-0832
RAKESH@NIRVANAHG.COM

SHEET INDEX

LIST OF DRAWINGS APPROVED FOR THIS PROJECT:

C000	COVER SHEET	5/27/25
C100	EXISTING SITE CONDITIONS	5/27/25
C200	SITE PLAN	5/27/25
C300	GRADING PLAN	5/27/25
C301	EROSION CONTROL PLAN	5/27/25
C302	EROSION CONTROL DETAILS	5/27/25
C303	EROSION CONTROL / SWPPP NOTES	5/27/25
C400	UTILITY PLAN	5/27/25
C500	CONSTRUCTION DETAILS	5/27/25
C600	LANDSCAPE PLAN	5/27/25

PRELIMINARY PLAN SETS HAVE BEEN PREPARED AND ISSUED FOR THIS PROJECT. CONTRACTOR SHALL NOT USE PLANS FOR CONSTRUCTION THAT ARE NOT CLEARLY LABELED "FINAL PLANS."

VERTICAL DATUM:

MAD G 92 ELEVATION 896.58 (NAVD 88)

INDOT BRONZE DISK SET IN THE NORTHWEST WING WALL OF THE STATE ROAD 38 BRIDGE OVER INTERSTATE 69.

CSC TBM #1 ELEVATION 872.50

A CUT "X" ON THE NORTH END OF A SECOND CONCRETE CURB ISLAND IN THE MIDDLE OF SOUTH HERITAGE WAY SOUTH OF SETTLEMENT TRAIL.

CSC TBM #5044 ELEVATION 873.18

A CUT SQUARE FOUND ON THE TOP OF A CONCRETE CURB NEAR THE NORTHEASTERN CORNER OF THE SURVEYED PROPERTY, LOCATED 73 FEET NORTH OF THE PHYSICAL CENTERLINE OF SETTLEMENT TRAIL AND 41 FEET WEST OF THE PHYSICAL CENTERLINE OF SOUTH HERITAGE WAY.

CSC TBM #5223 ELEVATION 875.90

811 Know what's below. Call before you dig.

Spiars Engineering
civil engineering
site development
275 Medical Drive #82
Carmel, In 46032
317-289-5042
spiarsr@yahoo.com

UTILITY SERVICE PROVIDERS

Gas
CenterPoint Energy
16000 Allisonville Road
Noblesville, Indiana 46060
Contact: Jay Boser
PH: 317-260-5477

Streets
Town of Pendleton
100 West State Street
Pendleton, Indiana 46064
Contact: Rick Bowlin
PH: 765-778-2173

Water
Town of Pendleton
100 West State Street
Pendleton, Indiana 46064
Contact: Ryan Brashears
PH: 765-778-2173

Electric
Town of Pendleton
100 West State Street
Pendleton, Indiana 46064
Contact: Craig Switzer
PH: 765-778-2173

Sanitary Sewer
Fall Creek Regional Waste District
9378 S. CR 650 W
Pendleton, Indiana 46064
Contact: Tim McCurdy
PH: 765-778-754

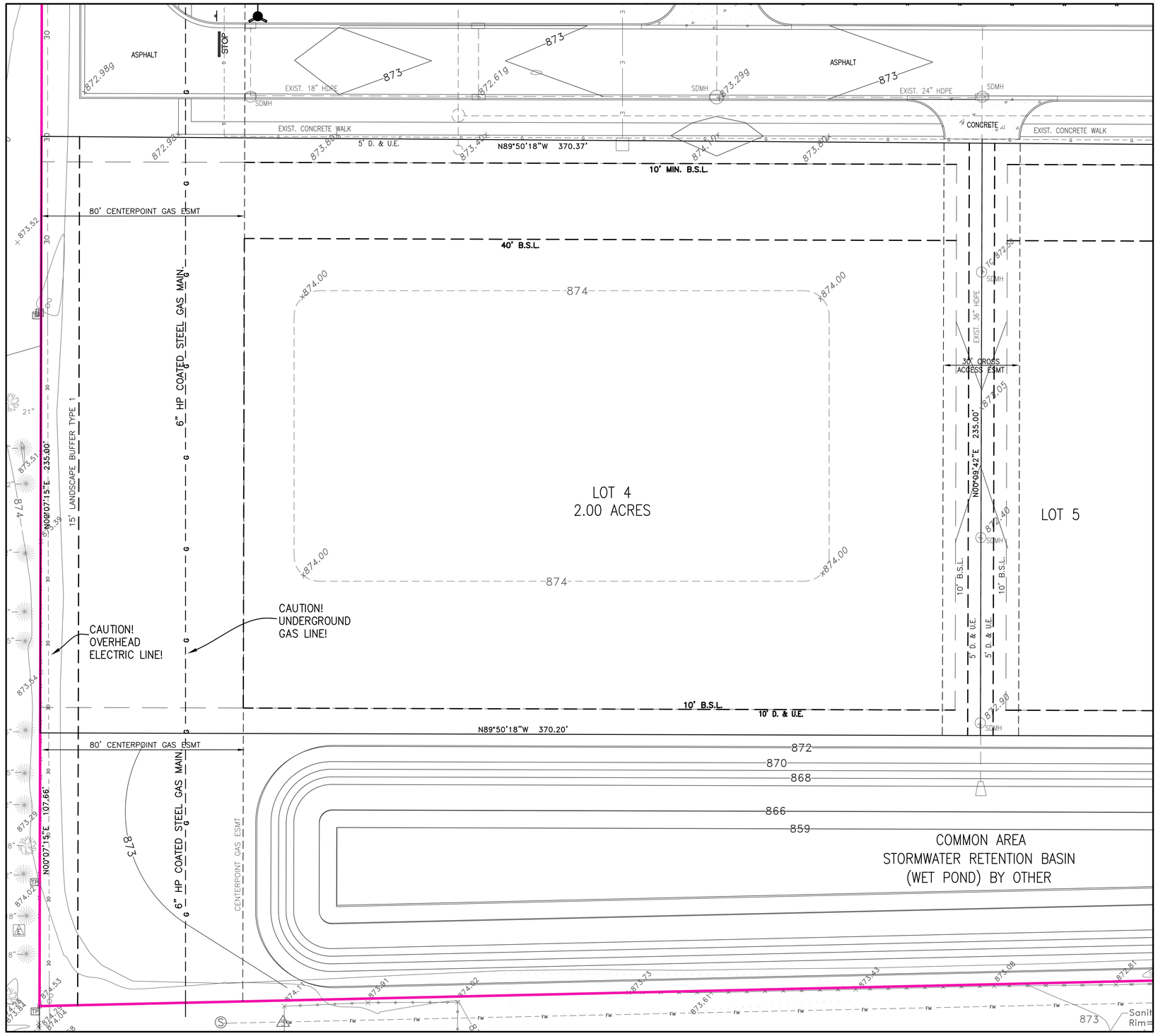
Storm Sewer
Town of Pendleton
100 West State Street
Pendleton, Indiana 46064
Contact: Jim Cook
PH: 765-778-2173

No.	Date	Revision
0	5/27/25	2nd SET TO PLANNING DEPT

RUSSELL E. SPIARS REGISTERED NO. 10100320 STATE OF INDIANA PROFESSIONAL ENGINEER
Russell Spiars, PE

C000

PRELIMINARY



0 10 20 30
SCALE IN FEET

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LEGEND

- SD — STORM DRAIN
- SS — SANITARY SEWER LATERAL
- WTR — WATER LINE
- RD — ROOFDRAIN COLLECTOR
- G — GAS LINE
- UC — UNDERGROUND COMM. LINE
- UD — DRAINAGE UNDERDRAIN
- UE — UNDERGROUND ELECTRIC
- OE — EXIST. OVERHEAD ELECTRICE
- FH — FIRE HYDRANT
- WATER VALVE
- C.O. — PROPOSED CLEANOUT
- LIGHT POLE
- PP — POWER POLE
- EXIST. LIGHT POLE

RUSSELL E. SPIARS NO. 10100320 STATE OF INDIANA REGISTERED PROFESSIONAL ENGINEER

No.	DATE	REVISION
0	5/27/25	SECOND SET. TO PLANNING
0	3/7/25	PRELIM SET. TO PLANNING

Spiars Engineering
civil engineering
site development
275 Medical Drive #82, Carmel, In 46032
317-289-5042
spiarsr@ychoo.com

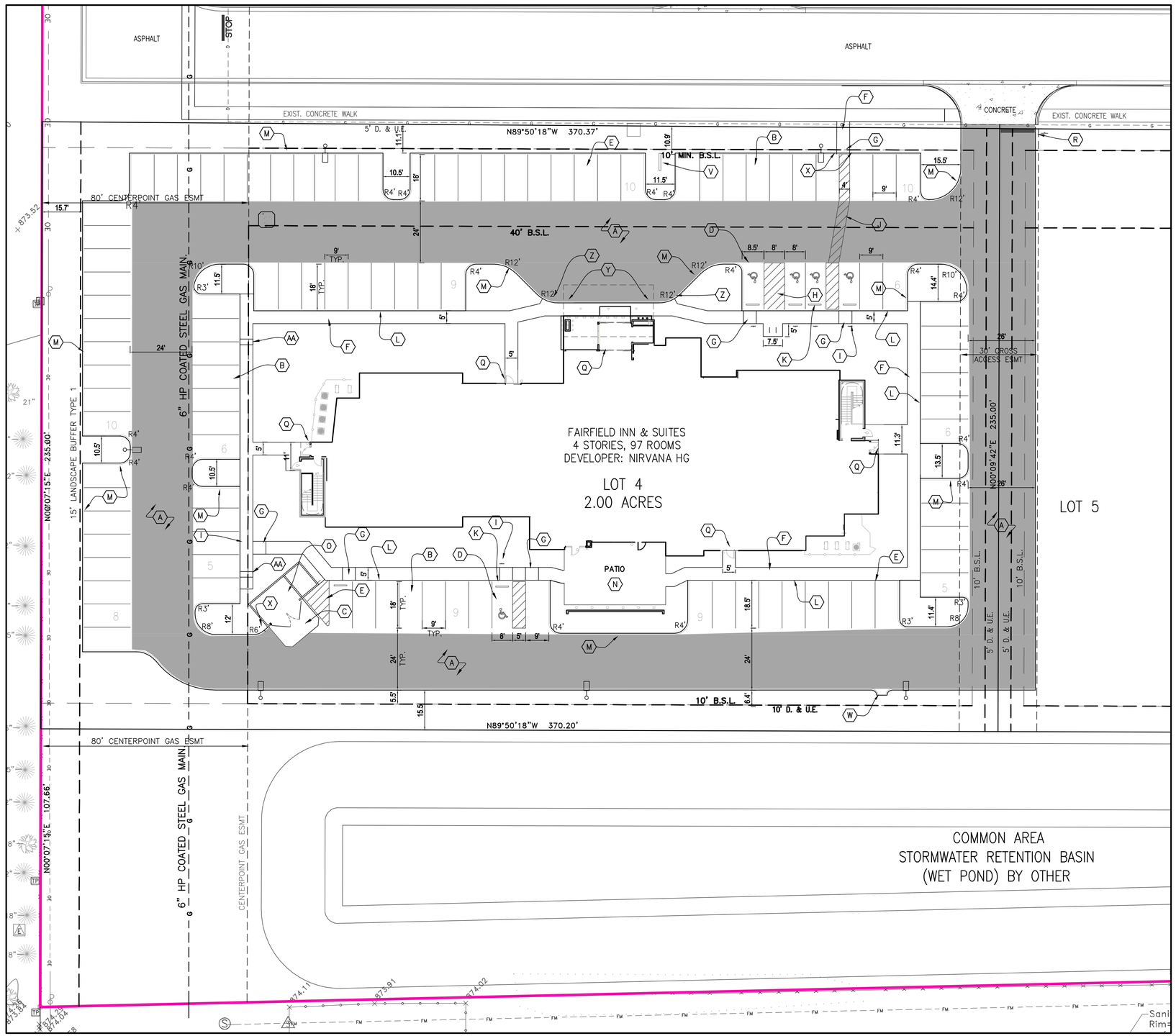
FAIRFIELD INN HOTEL DEVELOPMENT

LOT 'H' OF HERITAGE HUB AT FALLS POINT BUSINESS PARK
HERITAGE WAY, PENDLETON, IN 46064

EXISTING SITE CONDITIONS

SHEET NO.
C100

NOT FINAL



97 rooms
103 parking spaces
10.1% greenspace in parking lot
2.00 acres

NORTH

0 10 20 30
SCALE IN FEET

SITE PLAN KEYED NOTES (REFER ALSO TO DETAIL SHEETS & ARCHITECTURAL PLANS)

A. HEAVY DUTY ASPHALT PAVEMENT IN MAIN DRIVE AISLES (SHADED)
B. REGULAR DUTY ASPHALT PAVEMENT IN PARKING SPACES
C. 7" REINFORCED CONCRETE PAVEMENT (4000 PSI)
D. 4" LT. BLUE STRIPES AT HC PARKING SPACES
E. 4" WHITE PAINTED STRIPES
F. 4"–THICK CONCRETE SIDEWALK. WIDTH SHOWN ON PLAN.
G. WHEELCHAIR RAMP PER ADA STANDARDS.
H. VAN ACCESSIBLE HANDICAP PARKING SPACE WITH POLEL–MOUNTED RESERVED PARKING SIGN ADA PAVEMENT MARKING, BLUE PAINT.
I. ADA RESERVED PARKING SIGNS
J. PAINTED/STRIPED ADA WHEELCHAIR ROUTE.
K. CONCRETE WHEELSTOPS, ANCHORED.
L. INTEGRAL CONCRETE SIDEWALK AND 6" TURN–DOWN CURB
M. 6" CONCRETE STRAIGHT CURB
N. 4"–THICK CONCRETE PATIO ON PAVEMENT ON 4" GRAVEL BED ON PREPARED, COMPACTED SUBGRADE.
O. GATED MASONRY DUMPSTER AND STORAGE BLDG
P. SIDEWALK WHEELCHAIR RAMP
Q. EXPANSION MATERIAL AT ALL BUILDING AND PAVEMENT INTERFACES
R. STOP SIGN WITH 18" STOP STOP BAR
V. MONUMENT SIGN. SEE DETAILS BY SIGN VENDOR. SIGN PERMIT BY OTHERS.
W. CURB GAP AND TURNOUT FOR DRAINAGE. SEE DETAIL.
X. TRANSITION CURB HEIGHT TO 0" OVER 2 FT.
Y. FLUSH CURB (HEIGHT=0") FOR 30–FT LENGTH AS SHOWN.
Z. TRANSITION CURB HEIGHT TO 6" OVER 15 FT HERE.
AA. CREATE 1.5–FT–WIDE CONCRETE FLUME UNDER SIDEWALK FOR DRAINAGE TO INLET. INSTALL STEEL CASTING ABOVE FLUME FOR PEDESTRIAN TRAFFIC. GRATE SHALL BE BOLTED TO CONCRETE AND FLUSH WITH SIDEWALK SURFACE.

GENERAL CONSTRUCTION NOTES

1. EXISTING UNDERGROUND UTILITIES ARE SHOWN IN THEIR APPROXIMATE LOCATIONS ACCORDING TO THE BEST AVAILABLE INFORMATION AND LOCATION MARKS BY UTILITY PROVIDERS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF THE EXISTING UTILITIES PRIOR TO CONSTRUCTION OF NEW UTILITIES, AND SHALL REPAIR ANY DAMAGE DONE TO THE EXISTING UTILITIES DURING PROBING OR CONSTRUCTION. AS PART OF OBTAINING ACCURATE FIELD LOCATIONS OF EXISTING UNDERGROUND UTILITIES, THE CONTRACTOR SHALL NOTIFY THE FOLLOWING THE FOLLOWING ORGANIZATION 48 HOURS IN ADVANCE: INDIANA UNDERGROUND CABLE LOCATION 1–800–382–5544.
2. ANY DISCREPANCY IN THE PLANS SHALL BE IMMEDIATELY REPORTED BY CONTRACTOR TO THE ENGINEER FOR REVIEW.
3. ALL WORKMANSHIP AND MATERIALS SHALL CONFORM TO THE TOWN OF PENDLETON STANDARDS. WHERE SILENT, THE MOST RECENT MADISON COUNTY STANDARDS AND SPECIFICATIONS SHALL APPLY. PAVEMENT MARKINGS FOR TRAFFIC CONTROL SHALL BE PER INDIANA M.U.T.C.D., LATEST ADDITION.
4. 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 ACTUAL FIELD CONDITIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY.
5. CONTRACTOR SHALL PROVIDE SMOOTH TRANSITIONS FROM NEW AREAS TO EXISTING FEATURES AS NECESSARY.
6. CONTRACTOR SHALL RESURFACE OR RECONSTRUCT TO AT LEAST ORIGINAL CONDITIONS ALL AREAS WHERE THE EXISTING PAVEMENT OR LAWN IS DAMAGED DURING CONSTRUCTION FROM WORK PERFORMED OR TRAFFIC BY CONTRACTORS, SUBCONTRACTORS OR SUPPLIERS AFTER CONSTRUCTION WORK IS COMPLETE.
7. HORIZONTAL LAYOUT AND VERTICAL GRADE STAKING BY A LICENSED PROFESSIONAL LAND SURVEYOR SHALL BE PROVIDED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR'S SURVEYOR SHALL USE THE ELECTRONIC LAYOUT DATA FILES PROVIDED BY THE ENGINEER.
8. DIMENSION AT A CURB SHALL BE MEASURED FROM FACE OF CURB.
9. THE LAYOUT OF THE BUILDING FOUNDATION SHALL BE FROM THE APPROVED ARCHITECTURAL BUILDING PLANS.
10. REFER TO M.E.P. / ELECTRICAL PLANS FOR ELECTRICAL, COMMUNICATIONS, LIGHTING AND CONTROL WIRING TO BE LAID PRIOR TO PLACING PAVEMENT. ALL PROPOSED UNDERGROUND WIRING SHALL BE IN PLACE PRIOR TO LAYING ASPHALT OR CONCRETE PAVEMENT.
11. PROVIDE CRACK CONTROL JOINTS ON ALL CONCRETE PAVEMENT PER ACI CODE.
12. CONTACT IN ADVANCE AND COORDINATE WITH UTILITY PROVIDERS ON ALL WORK INVOLVING LOCAL UTILITY LINES.
13. ANY AND ALL ITEMS, PUBLIC OR PRIVATE, THAT ARE DAMAGED DURING CONSTRUCTION SHALL BE RESTORED TO THEIR PRECONSTRUCTION CONDITION OR REPLACED BY THE CONTRACTOR AT HIS EXPENSE. PROTECTION OF ITEMS FROM DAMAGE DURING CONSTRUCTION SHALL BE AT THE CONTRACTOR'S EXPENSE. DAMAGE OR REMOVAL OF EXISTING ITEMS SHALL BE KEPT TO A MINIMUM.
14. BY SUBMITTING A BID FOR ANY PORTION OF THE WORK ON THIS PROJECT, IT WILL BE ASSUMED THAT THE BIDDER HAS VISITED THE SITE AND EXAMINED IT THOROUGHLY TO FAMILIARIZE HIMSELF WITH THE CURRENT CONDITION.

LEGEND

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- UE — UNDERGROUND ELECTRIC
- OEC — EXIST. OVERHEAD ELECTRIC & TELE
- FH — FIRE HYDRANT
- PROPOSED WATER VALVE
- C.O. — PROPOSED CLEANOUT
- PROPOSED LIGHT POLE
- PP — POWER POLE
- EXIST. LIGHT POLE
- CONCRETE WHEELSTOP, ANCHORED

RUSSELL E. SPIARS ★ REGISTERED ★ NO. 10100320 ★ STATE OF INDIANA ★ PROFESSIONAL ENGINEER

No.	DATE	REVISION
0	5/27/25	SECOND SET. TO PLANNING
0	3/7/25	PRELIM SET. TO PLANNING

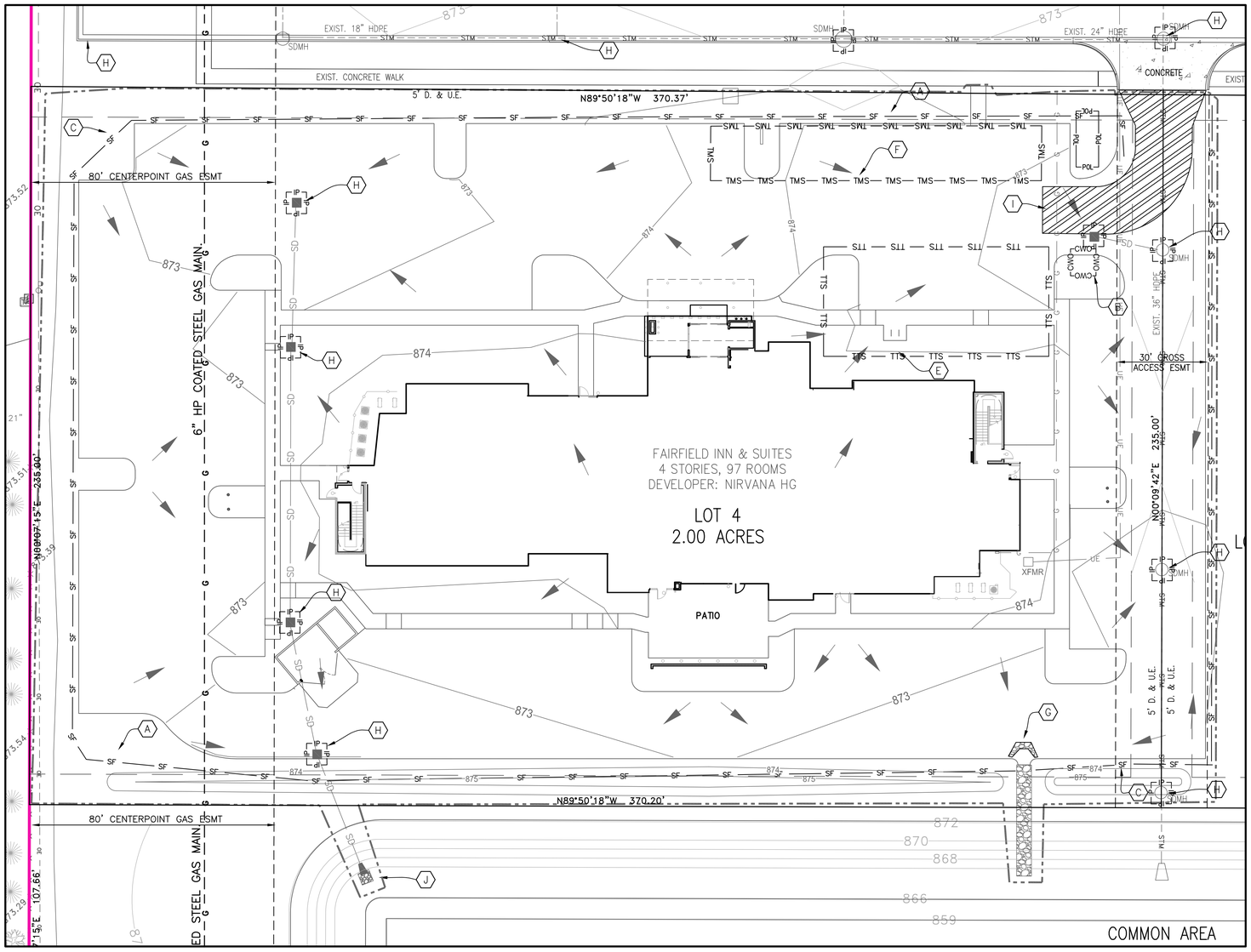
Spiars Engineering
civil engineering
site development
275 Medical Drive #82,
Carmel, In 46032
317-289-5042
spiarsr@yahoo.com

FAIRFIELD INN HOTEL DEVELOPMENT
LOT 'H' OF HERITAGE HUB AT FALLS POINT BUSINESS PARK
HERITAGE WAY, PENDLETON, IN 46064

SITE PLAN

SHEET NO.
C200

NOT FINAL



LEGEND

- POL — POL — POL = PORT-O-LET AREA
- TTS — TTS — TTS = TEMPORARY TRASH STORAGE AREA
- SWL — SWL — SWL / TMS — TMS — TMS = TEMPORARY MATERIAL STORAGE AREA
- SF — SF — SF = SILT FENCE
- FS = FILTER SOCK
- = CONSTRUCTION/DISTURBANCE LIMITS
- CWO = CONCRETE TRUCK WASHOUT AREA (10'x10')
- IP = INLET PROTECTION: SILT FENCE, DANDY BAG OR DANDY CURB. USE FLEX-STORM FOR INLETS IN STREET R.O.W.
- = SURFACE FLOW DIRECTION ARROW
- = ROCK CHECK DAM OR GRAVEL DONUT

NORTH

0 10 20
SCALE IN FEET

KEYED NOTES
- A. SILT FENCE
- B. CONCRETE WASHOUT
- C. LIMITS OF DISTURBED AREA
- D. PORT-O-LET LOCATION
- E. TEMPORARY TRASH STORAGE AREA
- F. TEMPORARY MATERIAL STORAGE AREA
- G. ROCK CHECK DAM, TEMPORARY
- H. INLET PROTECTION
- I. TEMPORARY STONE CONSTRUCTION ENTRANCE.
- J. RIPRAP OUTLET PROTECTION

GENERAL EROSION & SEDIMENT CONTROL NOTES

1. THE CONTRACTOR SHALL CONTROL WASTE, GARBAGE, DEBRIS, MUD, SILT, WASTEWATER AND OTHER SUBSTANCES ON THE SITE DURING CONSTRUCTION THAT COULD POTENTIALL ENTER THE STORM SEWER SYSTEM AND CAUSE POLLUTION. CONTROL OF POTENTIAL POLLUTANTS SHALL BE TO PREVENT THEIR TRANSPORT FROM THE SITE BY THE ACTION OF WIND, STORM WATER RUNOFF OR OTHER FORCES. PROPER DISPOSAL AND MANAGEMENT OF ALL WASTES AND UNUSED MATERIALS, APPROPRIATE TO THE NATURE OF THE WASTE OR MATERIAL, IS REQUIRED.
2. PUBLIC OR PRIVATE ROADWAYS AND GUTTERS SHALL BE KEPT CLEARED OF ACCUMULATED SEDIMENT. BULK CLEARING OF SEDIMENT SHALL NOT INCLUDE FLUSHING WITH WATER. CLEARED SEDIMENT SHALL BE RETURNED TO THE AREA OF LIKELY ORIGIN OR TO ANOTHER SUITABLE LOCATION.
3. THIS EROSION CONTROL PLAN SHALL BE IMPLEMENTED ON ALL DISTURBED AREAS WITHIN THE CONSTRUCTION SITE. ALL MEASURES INVOLVING EROSION CONTROL PRACTICES SHALL BE INSTALLED UNDER THE GUIDANCE OF QUALIFIED PERSONNEL EXPERIENCED IN EROSION CONTROL AND REGULATORY REQUIREMENTS.
4. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED IN THE FIELD BY PERTINENT AGENCIES FROM THE CITY, COUNTY, STATE OR LOCAL SWCD.
5. ALL EROSION CONTROL MEASURES, MATERIALS AND MAINTENANCE SHALL BE IN ACCORDANCE WITH THE STATE OF INDIANA STORM WATER QUALITY MANUAL.
6. ALL DISTURBED AREAS SHALL RECEIVE SEED AND MULCH WITHIN 7 DAYS OF DISTURBANCE.
7. AT THE COMPLETION OF CONSTRUCTION, ALL AREAS THAT ARE NOT PAVED SHALL BE STABILIZED WITH PERMANENT SEEDING OR SODDING, AND THE CONTRACTOR SHALL ENSURE THAT A MATURE, PERMANENT LAWN IS ESTABLISHED IN ALL SUCH AREAS.

DISTURBED AREA = 1.95 ACRES

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Spiars Engineering
civil engineering
site development
275 Medicol Drive #82, Carmel, In 46032
317-289-5042 splcrs@yahoo.com

FAIRFIELD INN HOTEL DEVELOPMENT
LOT 'H' OF HERITAGE HUB AT FALLS POINT BUSINESS PARK
HERITAGE WAY, PENDLETON, IN 46064

EROSION CONTROL PLAN

SHEET NO.
C301

NOT FINAL

SITE NAME: FAIRFIELD INN AND SUITES, PENDLETON, IN

OWNER & OPERATOR'S INFORMATION NAME: RAKESH PATEL, OWNER. 732-581-8859
REPRESENTATIVE: RUSSELL SPIARS, PHONE: 317-289-5042

NOTICE OF INTENT
ALL PARTIES DEFINED AS OWNERS OR OPERATORS MUST SUBMIT A NOTICE OF INTENT (NOI) AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF ON-SITE CONSTRUCTION ACTIVITIES. SUBMITTAL OF LOTS NOI'S IS NOT PROHIBITED; HOWEVER, AUTHORIZATION UNDER THE CONSTRUCTION GENERAL PERMIT IS ONLY FOR DISCHARGES THAT OCCUR AFTER PERMIT COVERAGE IS GRANTED. UNPERMITTED DISCHARGES MAY BE SUBJECT TO ENFORCEMENT ACTIONS BY THE EPA. FOR THE PURPOSES OF THIS PERMIT, AN OPERATOR IS DEFINED AS ANY PARTY MEETING EITHER OF THE FOLLOWING REQUIREMENTS.
A) THE PARTY HAS OPERATIONAL CONTROL OVER CONSTRUCTION PLANS AND SPECIFICATIONS, INCLUDING THE ABILITY TO MAKE MODIFICATIONS TO THOSE PLANS AND SPECIFICATIONS.
B) THE PARTY HAS DAY-TO-DAY OPERATIONAL CONTROL OF THOSE ACTIVITIES AT A PROJECT THAT ARE NECESSARY TO ENSURE COMPLIANCE WITH A STORMWATER POLLUTION PREVENTION PLAN FOR THE SITE OR OTHER PERMIT CONDITIONS.

SECTION A. CONSTRUCTION PLAN, GENERAL COMPONENTS:

A1 -AN INDEX OF ALL PROPOSED TEMPORARY AND PERMANENT STORM WATER BMPS IS INCLUDED IN SHEET C301. THE PHYSICAL LOCATION OF EACH BMP IS SHOWN ON C301.
AN INDEX OF ALL THE PLAN SHEETS IS INCLUDED ON THE COVER SHEET.

A2 - VICINITY MAP: SEE COVER SHEET C000 FOR VICINITY MAP.

A3 - PROJECT NARRATIVE
THIS PROJECT CONSISTS OF THE CONSTRUCTION OF A NEW FAIRFIELD SUITES HOTEL WITH SUPPORTING INFRASTRUCTURE.

A4 - STATE PLANE COORDINATES COORDINATES OF THE SITE ARE:
NORTH 1,731,422.7
EAST 299,917.6

A5 - LEGAL DESCRIPTION OF PROJECT SITE:
LEGAL DESCRIPTION IS LOCATED ON THE COVER SHEET, C000. LOCATION OF ALL LOTS AND PROPOSED SITE IMPROVEMENTS:
THE SITE IS LOCATED IN PENDLETON, INDIANA, NEAR THE S.E. QUARTER OF SECTION 17, AND THE N.W. QUARTER OF SECTION 20, TOWNSHIP 18N, RANGE 7E, FALL CREEK TOWNSHIP, MADISON COUNTY, INDIANA.

A6 - 11X17 SHOWING LOCATIONS OF ALL LOTS AND PROPOSED SITE IMPROVEMENTS: SEE SEPARATE DOCUMENT FOR 11X17 DRAWING.

A7 - BOUNDARIES OF THE 100-YEAR FLOODPLAINS, FLOOD FRINGES, FLOODWAYS. THERE ARE NO FLOODPLAINS OR FLOODWAYS OR FLOOD FRINGES ON THE SITE.

A8 - LAND USES OF ALL ADJACENT PROPERTIES:
NORTH: COMMERCIALIAL
SOUTH: COMMERCIAL
EAST: COMMERCIAL
WEST: MULTI FAMILY

A9 - IDENTIFICATION OF APPROVED TMDLS FOR THE WATERSHED: THIS PROJECT DOES NOT DISCHARGE DIRECTLY INTO AN IMPAIRED WATERWAY.

A10 - IDENTIFICATION OF ALL RECEIVING WATERS: TOWN OF PENDLETON STORM DRAINS, FREY DITCH, FALL CREEK.

A11 - FALL CREEK IS AN IMPAIRED WATERWAY. THE POLLUTANT OF CONCERN IS E. COLI.

A12 - THE PREDOMINANT SOILS AT THE SITE ARE BROOKSTON SILTY CLAY LOAMS. THEY ARE POORLY DRAINED SOILS AND CATEGORIZED IN THE B/D HYDROLOGIC SOIL GROUP. SOILS USED FOR STRUCTURAL FILL WILL BE COMPACTED AND PLACED IN LIFTS AS SPECIFIED BY GEOTECHNICAL ENGINEER REPORT PREPARED FOR THIS PROJECT.

A13 - THERE ARE NO WETLAND AREAS ON THE SITE. THE SITE LIES WITH AN AREA WITH MINIMAL FLOOD HAZARD PER FEMA PANEL 18095 C0244E, MADISON COUNTY, IN., DATED 6/9/14.

A14 - NO ADDITIONAL WATER QUALITY PERMITS ARE REQUIRED FOR DEVELOPMENT OF THIS SITE.

A15 - THE SITE HAS NOT BEEN USED FOR DEVELOPMENT. THE EXISTING COVER IS GRASS, TREES AND WEEDS.

A16 - EXISTING SITE TOPOGRAPHY IS SHOWN ON C100. IT GENERALLY SLOPES WEST TO EAST.

A17 - NO WATER ENTERS THE SITE FROM OFF-SITEAREAS.

A18 - RUNOFF WILL EXIT THE SITE ON THE SOUTH AND, DISCHARGING INTO THE DETENTION BASIN DESIGNED TO SERVE THIS DEVELOPMENT. SEE SHEET C400.

A19 - LOCATIONS, SIZE, AND DIMENSIONS OF PROPOSED STORMWATER SYSTEMS:
SIZES AND LOCATIONS OF PROPOSED STORM WATER PIPES AND DETENTION ARE SHOWN ON THE UTILITY PLAN, SHEET C400.

A20 - EXISTING PERMANENT RETENTION OR DETENTION FACILITIES OR MANMADE WETLANDS DESIGNED FOR STORM WATER MANAGEMENT: THERE ARE NONE EXISTING.

A21 - THERE WILL BE 1 SAND FILTER WHERE STORM WATER WILL INFILTRATE INTO THE GROUND. THIS MAY ALSO OCCUR IN THE STORM WATER DETENTION AREA.

THE FOLLOWING CONSTRUCTION MATERIALS WILL BE TEMPORARILY STAGED OR STORED ON THE SITE AT VARIOUS POINTS DURING THE CONSTRUCTION PHASE:
1. STRUCTURAL FILL
2. PAVEMENT BASE AGGREGATE
3. BEDDING MATERIAL FOR STORM PIPE, STORM STRUCTURES, WATER AND SEWER PIPE
4. BUILDING MATERIALS
5. LANDSCAPING MATERIALS.

A22 - SIZE OF THE PROJECT AREA IS 2.00 ACRES.

A23 - TOTAL EXPECTED LAND DISTURBANCE IS 1.95 ACRES.

A24 - PROPOSED FINAL TOPOGRAPHY IS SHOWN ON C300.

A25 - LIMITS OF DISTURBED AREA ARE SHOWN ON C300 AND C301.

A26 - SEE C400 AND C500 FOR SIZES AND DIMENSIONS OF ALL STORM WATER SYSTEM COMPONENTS.
A27 - STORMWATER DISCHARGE LOCATIONS ARE SHOWN ON C301.
A28 - ALL PROPOSED SITE IMPROVEMENTS (ROADS, UTILITIES, LOT LINES, STRUCTURES) ARE SHOWN ON SHEETS C200 & C400.
A29 - ALL STOCKPILE AREAS ARE SHOWN ON C301. THERE ARE NO OFF-SITE STOCKPILE OR BORROW AREAS.
A30 - THE CONSTRUCTION SUPPORT AREAS (STAGING AND STORAGE) ARE SHOWN ON C301.
A31 - THERE ARE NO IN-STREAM ACTIVITIES.

SECTION B - ASSESSMENT OF STORM WATER POLLUTION PREVENTION - CONSTRUCTION COMPONENT:

B1 - DESCRIPTION OF POTENTIAL POLLUTANT SOURCES ASSOCIATED WITH CONSTRUCTION ACTIVITIES
THE FOLLOWING POTENTIAL POLLUTANT SOURCES MAY BE ASSOCIATED WITH CONSTRUCTION ACTIVITIES ON SITE:
A. CONSTRUCTION MATERIAL STORAGE
B. CONSTRUCTION WASTE MATERIAL
C. EXPOSED SOILS
D. LEAKING VEHICLES AND EQUIPMENT
E. SANITARY WASTE FROM TEMPORARY TOILET FACILITIES
F. LITTER
G. WINDBLOWN DUST
H. SOIL TRACKING OFF SITE FROM CONSTRUCTION EQUIPMENT
I. CONCRETE WASTE AT WASHOUT AREA
J. WATER FROM EQUIPMENT WASHING
K. LUBRICANTS OR SOLVENTS FROM CONSTRUCTION EQUIPMENT.

B2 - STABLE CONSTRUCTION ENTRANCE LOCATIONS AND SPECIFICATIONS:
CONSTRUCTION ENTRANCE LOCATION WILL BE VIA A ROCK-STABILIZED ENTRANCE FROM THE ROADWAY ABUTTING THE SITE ON THE NORTHEAST. LOCATION AND SPECIFICATIONS ARE SHOWN ON SHEET C301 AND C303.

B3 - SPECIFICATIONS FOR TEMPORARY AND PERMANENT STABILIZATION: THE SURFACE OF THE ENTIRE SITE WILL BE STABILIZED AT THE COMPLETION OF CONSTRUCTION. MOST AREAS WILL BE STABILIZED PRIOR TO COMPLETION USING PAVEMENT, TEMPORARY SEEDING, ETC. A TABLE OF THE MULTIPLE METHODS AND SEASONAL METHODS IS SHOWN ON SHEET C303.

B4 - SEDIMENT CONTROL MEASURES FOR CONCENTRATED FLOW AREAS:
THE ONLY AREA THAT WILL HAVE CONCENTRATED SCOUR, OTHER THAN A CONCRETE GUTTER OR PIPE, WILL BE THE GRASSED SWALE ALONG THE WEST PROPERTY LINE. SCOUR WILL BE MITIGATED BY EROSION CONTROL MATTING AND TEMPORARY ROCK CHECK DAMS. LOCATIONS AND DETAILS ARE SHOWN ON C301 AND C303.

B5 - SEDIMENT CONTROL MEASURES FOR SHEET FLOW AREAS:
SURFACE STABILIZATION OF SHEET FLOW AREAS WILL BE ACCOMPLISHED BY TEMPORARY AND PERMANENT SEEDING AND MULCHING AND BY EROSION CONTROL MATTING. SEE SHEETS C301 AND C303 FOR DETAILED INFORMATION.

B6 - RUNOFF CONTROL MEASURES:
RUNOFF CONTROL MEASURES ARE SHOWN ON SHEETS C301 AND C303. THEY INCLUDE ROCK CHECK DAMS.

B7 - OUTLET PROTECTION LOCATIONS ARE SHOWN ON SHEET C301 AND DETAILED ON C303. RIPRAP OUTLET PROTECTION IS PROVIDED AT ALL PIPE OUTFALLS.

B8 - THERE ARE NO GRADE STABILIZATION STRUCTURES NECESSARY ON THIS PROJECT.

B9 - DEWATERING APPLICATIONS AND MANAGEMENT METHODS: DEPENDING ON RAINFALL OCCURRENCES, DEWATERING MAY BE NECESSARY DURING EXCAVATION OF THE BIO-RETENTION BASINS. IF NECESSARY, THIS IS TO BE ACCOMPLISHED USING A TEMPORARY PUMP (WITH HOSES) PROVIDED BY THE EXCAVATION CONTRACTOR. THE PUMP INTAKE IS TO BE PLACED INSIDE THE BASIN OUTLET CONTROL STRUCTURE. (IF THE WATER LEVEL NEEDS TO BE LOWERED BELOW THE BOTTOM OF THE BASIN, A TEMPORARY TRENCH OR PIT MAY BE DUG TO THE SIDE OF THE OUTLET STRUCTURE SO THAT THE PUMP INTAKE CAN BE PLACED AT A LEVEL LOWER THAN THE OUTLET STRUCTURE INVERT.) THE DISCHARGE END OF THE PIPE SHALL BE CONNECTED TO A FILTER (DEWATERING) BAG THAT IS TO BE PLACED IN A GRASSY AREA NO CLOSER THAN 20 FEET FROM A DRAINAGE STRUCTURE OR SWALE OR BASIN. THE BAG SHALL BE AN 8-OUNCE, 6'X9' FILTER DEWATERING BAG FROM SILT MANAGEMENT SUPPLIES LLC, OR APPROVED EQUAL.

B10 - THERE ARE NO STREAMS OR WATER BODIES AT THIS SITE.

B11 - MAINTENANCE GUIDELINES FOR EACH TEMPORARY STORM WATER QUALITY MEASURE:
-ALL CONTROLS SHOULD BE INSPECTED AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND IMMEDIATELY FOLLOWING ANY STORM EVENT OF 0.5 INCH OR GREATER.
-INSPECTIONS SHALL BE CONDUCTED AND WRITTEN REPORTS PREPARED, BY A DESIGNATED AND QUALIFIED PERSON FAMILIAR WITH THE USEPA NPDES STORM WATER GENERAL PERMIT, THIS SWPPP, AND THE PROJECT.
-THE TRAINED PROFESSIONAL RESPONSIBLE FOR IMPLEMENTING THE SWPPP WILL BE: LADDI SINGH OF SINGH CONSTRUCTION.
-REPORTS: INSPECTION REPORTS SHALL INCLUDE SCOPE OF THE INSPECTION, NAME(S) AND QUALIFICATIONS OF PERSONNEL MAKING THE INSPECTION, THE DATE OF THE INSPECTION, OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THE SWPPP, NEEDS OR ACTIONS REQUIRED TO REPAIR OR MAINTAIN ANY POLLUTION OR STORMWATER CONTROLS AT THE SITE, AND ANY ACTIONS TAKEN AS A RESULT OF INCIDENTS OF NONCOMPLIANCE NOTED DURING THE INSPECTIONS. THE INSPECTION REPORT SHOULD STATE WHETHER THE SITE WAS IN COMPLIANCE OR IDENTIFY ANY INCIDENTS OF NONCOMPLIANCE. THE CONTRACTOR SHALL KEEP A COPY OF THE INSPECTION REPORTS ON SITE AND PERMANENTLY FOR A PERIOD OF TWO YEARS FOLLOWING CONSTRUCTION. THE ON-SITE REPORTS MAY BE REQUESTED BY INSPECTIONS CONDUCTED BY THE LOCAL SOIL AND WATER CONSERVATION DISTRICT.

THE FOLLOWING IS A LIST OF SELF-MONITORING / INSPECTION AND MAINTENANCE GUIDELINES THAT WILL BE USED FOR SPECIFIC CONTROLS:
- GEOTEXTILES/EROSION CONTROL MATS: MISSING OR LOOSE MATTING MUST BE REPLACED OR RE-ANCHORED.
- INLET PROTECTION: SEDIMENT SHOULD BE REMOVED WHEN IT REACHES APPROXIMATELY ONE-HALF THE HEIGHT OF THE FENCE. IF A SUMP IS USED, SEDIMENT SHOULD BE REMOVED WHEN THE VOLUME OF THE BASIN IS REDUCED BY 50%.
- SEEDING AND MULCHING: INSPECTION FOR THIN OR BARE SPOTS CAUSED BY NATURAL DECOMPOSITION OR WEATHER-RELATED EVENTS. SEED AND MULCH IN HIGH TRAFFIC AREA SHOULD BE REPLACED ON A REGULAR BASIS TO MAINTAIN UNIFORM PROTECTION.
- SILT FENCE: REMOVAL OF BUILT-UP SEDIMENT WILL OCCUR WHEN THE SEDIMENT REACHES ONE-THIRD THE HEIGHT OF THE FENCE. REPAIR OR REPLACE FAILED OR SAGGING SILT FENCING.
- STABILIZED CONSTRUCTION ENTRANCE: PERIODIC REGARDING AND TOP DRESSING WITH ADDITIONAL STONES.
- VEGETATION: PROTECT NEWLY SEEDED AREAS FROM EXCESSIVE RUNOFF AND TRAFFIC UNTIL VEGETATION IS ESTABLISHED. ESTABLISH A WATERING AND FERTILIZING SCHEDULE.
- GOOD HOUSEKEEPING: LITTER, CONSTRUCTION DEBRIS, AND CONSTRUCTION CHEMICALS EXPOSED TO STORMWATER SHALL BE PREVENTED FROM BECOMING A POLLUTANT SOURCE FOR STORMWATER DISCHARGES THROUGH SCREENING OF OUTFALLS AND DAILY PICKUP OF LITTER.
- ROCK CHUTES AT PIPE OUTFALLS: INSPECT TO ENSURE THAT ROCK PLACEMENT IS EFFECTIVE TO PREVENT SCOUR. REPLACE OR REARRANGE ROCKS AS REQUIRED.
- ROCK CHECK DAMS: REMOVE SEDIMENT WHEN IT REACHES APPROXIMATELY ONE-HALF THE HEIGHT OF THE DAM. ADD STONES AS NEEDED TO MAINTAIN DESIGN HEIGHT AND CROSS SECTION OF DAM.
- SEDIMENT LOGS (FILTER SOCKS): REMOVE SEDIMENT WHEN IT REACHES APPROXIMATELY ONE-QUARTER OF THE HEIGHT OF THE DAM. REPAIR ERODED AND DAMAGED AREAS. MAKE SURE FILTER SOCK IS SECURE AND RUNOFF IS NOT FLOWING UNDER OR AROUND IT.

IN THE EVENT THAT SEDIMENT ESCAPES THE CONSTRUCTION SITE, OFF-SITE ACCUMULATIONS OF SEDIMENT MUST BE REMOVED AT A FREQUENCY SUFFICIENT TO MINIMIZE ADVERSE IMPACTS. AN EXAMPLE OF THIS MAY BE THE SITUATION WHERE SEDIMENT HAS WASHED INTO THE STREET AND COULD BE CARRIED INTO THE STORM SEWERS BY THE NEXT RAINFALL AND/OR POSE A SAFETY HAZARD TO USERS OF PUBLIC STREETS.

B12 - PLANNED SEQUENCE DESCRIBING STORMWATER QUALITY MEASURE IMPLEMENTATION RELATIVE TO LAND-DISTURBING ACTIVITIES: CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH TOWN OF WHITESTOWN STAFF PRIOR TO CONSTRUCTION.
A. CLEAR AREAS FOR THE SILT FENCE AND CONSTRUCTION ENTRY. DESIGNATE THE LIMITS OF DISTURBED AREA AND AREAS TO REMAIN UNDISTURBED OR PROTECTED.
B. INSTALL CONSTRUCTION ENTRANCE, EROSION CONTROL FENCES, FILTER SOCKS, CHECK DAMS, PROTECTION AT EXISTING INLETS BEFORE BEGINNING LAND DISTURBANCE.
C. BEGIN MASS EARTHWORK.
D. BEGIN UTILITY INSTALLATION.
E. BEGIN BUILDING FOUNDATION AND PLUMBING.
F. CONTINUE SITE EXCAVATION, PROOFROLLING, STRUCTURAL FILL, BACKFILLING, AND GRADING ACTIVITIES.
G. COMPLETE DRAINAGE, WATER QUALITY SYSTEM INSTALLATION AND PAVEMENT BASE.
H. INSTALL TEMPORARY SEEDING ON DISTURBED AREAS AND EROSION CONTROL BLANKETS WHERE REQUIRED THROUGHOUT THE CONSTRUCTION PHASE.
I. FINISH FINE GRADING ONCE THE BUILDING AND PAVEMENT ARE COMPLETE.
J. COMPLETE FINAL SEEDING AND/OR SODDING FOR PERMANENT SURFACE STABILIZATION.
K. MAINTAIN ALL EROSION AND SEDIMENT CONTROL PRACTICES UNTIL ALL DISTURBED AREAS ARE PERMANENTLY STABILIZED.

B13 - THERE ARE NO RESIDENTIAL LOTS ON THIS PROJECT SITE.

B14 - MATERIAL HANDLING / SPILL PREVENTION / SPILL RESPONSE SHALL BE PER 327IAC 2-6.1, AND AS FOLLOWS:
TYPICAL POTENTIAL POLLUTANTS STORED/HANDLED ON SITE ARE: LUBRICANTS, SOLVENTS, PAINT, ADHESIVES PORTABLE TOILETS, FUEL, VEHICLE COOLANTS, FERTILIZER, PAVING MATERIALS.
ONLY THE POTENTIAL POLLUTANTS ACTIVELY BEING USED FOR CONSTRUCTION SHALL BE STORED ON SITE.
STORED MATERIALS SHALL NOT BE IN AREAS EXPOSED TO RAINFALL OR SHALL BE COVERED BY TEMPORARY ROOFS OR SECURED TARPS.
POTENTIAL POLLUTANTS SHALL NOT BE STORED WITHIN 50 FEET OF A DRAINAGE INTAKE, BASIN, DITCH OR WATERWAY. TRASH OR LITTER FROM MATERIAL OR FOOD PACKAGING SHALL BE PLACED IN A COVERED TRASH RECEPTACLE.
REPORTING OF SPILLS OF POTENTIAL POLLUTANTS (AS DESCRIBED IN 327IAC2-6.1-5 & 327IAC 2-6.1-7) SPILLS MUST BE REPORTED TO THE BOONE COUNTY DISPATCH VIA 911 AND TO THE WHITESTOWN FIRE DEPT (765-769-3300)., IDEM EMERGENCY RESPONSE (888-233-7745).
REPORTING SHALL OCCUR WITHIN 2 HRS OF THE DISCOVERY OF THE ANY SPILL HAVING A LIKELIHOOD OF IMPACTING A WATERWAY OR ENTERING A DRAINAGE FACILITY.
DISCHARGE OF HAZARDOUS SUBSTANCES OR OIL IS SUBJECT TO REPORTING REQUIREMENTS. IN THE EVENT OF A SPILL OF A HAZARDOUS SUBSTANCE, THE OPERATOR IS REQUIRED TO NOTIFY THE NATIONAL RESPONSE CENTER (1-800-424-8802) TO PROPERLY REPORT THE SPILL. IN ADDITION, THE OPERATOR SHALL SUBMIT A WRITTEN DESCRIPTION OF THE RELEASE (INCLUDING THE TYPE AND AMOUNT OF MATERIAL RELEASED, THE DATE OF THE RELEASE, THE CIRCUMSTANCES OF THE RELEASE, AND THE STEPS TO BE TAKEN TO PREVENT FUTURE SPILLS) TO THE LOCAL SOIL AND WATER CONSERVATION DISTRICT. THE SWPPP MUST BE REVISED WITHIN 14 CALENDAR DAYS AFTER THE RELEASE TO REFLECT THE RELEASE, STATING THE INFORMATION ABOVE ALONG WITH MODIFICATIONS TO MINIMIZE THE POSSIBILITY OF FUTURE OCCURRENCES. EACH CONTRACTOR AND SUBCONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH THESE REPORTING REQUIREMENTS.

B15- MATERIAL HANDLING, STORAGE PROCEDURES AND WASTE MANAGEMENT OF POLLUTANTS ASSOCIATED WITH CONSTRUCTION ACTIVITIES ARE AS FOLLOWS:
MATERIALS SUBJECT TO THESE GUIDELINES SHALL INCLUDE, BUT ARE NOT LIMITED TO: GARBAGE, DEBRIS UNUSED BLDG MATERIALS, CLEANING WASTES, WASTEWATER CONCRETE WASH-OUT, MORTAR/MASONRY, SOIL STABILIZERS, LIME, FUELS, LUBRICANTS. MINIMUM HANDLING PROCEDURES ARE:
-SOLID WASTE DISPOSAL:
NO SOLID MATERIAL, INCLUDING BUILDING MATERIAL, IS TO BE DISCHARGED TO SURFACE WATERS OR BURIED ON SITE. ALL SOLID WASTE MATERIALS INCLUDING DISPOSABLE MATERIALS INCIDENTAL TO THE CONSTRUCTION ACTIVITY MUST BE COLLECTED IN CONTAINERS OR CLOSED DUMPSTERS. THE COLLECTION CONTAINERS MUST BE EMPTIED PERIODICALLY AND THE COLLECTED MATERIAL HAULED TO A LANDFILL PERMITTED BY THE STATE AND/OR APPROPRIATED LOCAL MUNICIPALITY TO ACCEPT WASTE MATERIAL. A PROPERLY TRAINED FOREMAN OR SUPERVISOR SHALL BE DESIGNATED IN WRITING TO OVERSEE, ENFORCE, AND INSTRUCT CONSTRUCTION WORKERS ON PROPER SOLID WASTE PROCEDURES.
-HAZARDOUS WASTE:
THE USE OF HAZARDOUS MATERIALS AND GENERATION OF HAZARDOUS WASTES WILL BE MINIMIZED WHENEVER POSSIBLE. ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED IN THE MANNER SPECIFIED BY FEDERAL, STATE, OR LOCAL REGULATIONS OR BY THE MANUFACTURER. CONTAINMENT BERMS MUST BE USED IN FUELING AND MAINTENANCE AREAS AND WHERE POTENTIAL FOR SPILLS IS HIGH.
-DUST CONTROL/OFF-SITE VEHICLE TRACKING:
DURING CONSTRUCTION, WATER TRUCKS SHOULD BE USED AS NEEDED, BY EACH CONTRACTOR OR SUBCONTRACTOR TO REDUCE DUST. AFTER CONSTRUCTION, THE SITE SHOULD BE STABILIZED TO REDUCE DUST. CONSTRUCTION TRAFFIC SHALL ENTER AND EXIT THE SITE AT THE DESIGNATED CONSTRUCTION ENTRANCE WITH A ROCK PAD OR EQUIVALENT DEVICE. THE PURPOSE OF THE ROCK PAD IS TO MINIMIZE THE AMOUNT OF MUD AND SOLID MATERIAL THAT IS TRACKED ONTO EXISTING STREETS. IF SEDIMENT ESCAPES THE CONSTRUCTION SITE, OFF-SITE ACCUMULATIONS OF SEDIMENT MUST BE REMOVED AT A FREQUENCY SUFFICIENT TO MINIMIZE OFFSITE IMPACTS. IF APPROVED BY THE SITE OWNER, THE SITE MAY BE ACCESSED FROM THE NORTH THROUGH THE PAVED DRIVEWAY. TRACKING OF MUD AND SOLIDS MUST BE OBSERVED CLOSELY BY THE CONTRACTOR TO DETERMINE IF WHEEL WASHING IS NECESSARY.
-SANITARY/SEPTIC:
CONTRACTORS AND SUBCONTRACTORS MUST COMPLY WITH ALL STATE AND LOCAL SANITARY SEWER, PORTABLE TOILET, OR SEPTIC SYSTEM REGULATIONS. SANITARY FACILITIES SHALL BE PROVIDED AT THE SITE BY EACH CONTRACTOR OR SUBCONTRACTOR THROUGHOUT CONSTRUCTION ACTIVITIES. THE SANITARY FACILITIES SHOULD BE UTILIZED BY ALL CONSTRUCTION PERSONNEL AND BE SERVICED REGULARLY. ALL EXPENSES ASSOCIATED WITH PROVIDING SANITY FACILITIES ARE THE RESPONSIBILITY OF THE CONTRACTORS AND SUBCONTRACTORS. THE LOCATION OF ANY SANITY FACILITIES SHOULD BE INDICATED ON THE STORMWATER POLLUTION PREVENTION PLAN BY THE OPERATOR FOLLOWING ON-SITE LOCATION OF SOLID FACILITIES.
-WATER SOURCE:
WATER USED TO ESTABLISH AND MAINTAIN GRASS, TO CONTROL DUST, AND FOR OTHER CONSTRUCTION PURPOSES MUST ORIGINATE FROM A PUBLIC WATER SUPPLY OR PRIVATE WELL APPROVED BY THE STATE OR LOCAL HEALTH DEPARTMENT.
EQUIPMENT FUELING AND STORAGE AREAS:
-EQUIPMENT FUELING, MAINTENANCE, AND CLEANING SHOULD ONLY BE COMPLETED IN PROTECTED AREAS (I.E., BERMED AREA). LEAKING EQUIPMENT AND MAINTENANCE FLUIDS MUST BE COLLECTED AND NOT ALLOWED TO DISCHARGE ONTO SOIL WHERE THEY MAY INFILTRATE INTO THE GROUND OR BE WASHED AWAY DURING A RAIN EVENT.
SECONDARY CONTAINMENT MUST BE PROVIDED FOR ANY ABOVE GROUND STORAGE TANKS. STORAGE TANKS MUST REMAIN IN THE DESIGNATED STAGING AREA.
-EQUIPMENT WASH DOWN (EXCEPT FOR WHEEL WASHES) MUST TAKE PLACE WITHIN AN AREA SURROUNDED BY A BERM AND SHALL BE LOCATED AT THE DESIGNATED CONSTRUCTION ENTRANCE. THE USE OF DETERGENTS IS PROHIBITED.
-HAZARDOUS MATERIAL STORAGE:
CHEMICALS, PAINTS, SOLVENTS, FERTILIZERS, AND OTHER TOXIC OR HAZARDOUS MATERIALS SHALL BE STORED IN THEIR ORIGINAL CONTAINERS (IF ORIGINAL CONTAINER IS NOT RESALABLE, STORE THE PRODUCTS IN CLEARLY LABELED WATERPROOF CONTAINERS). EXCEPT DURING APPLICATION, THE CONTAINERS SHALL BE KEPT IN TRUCKS OR IN BERMED AREAS WITHIN COVERED STORAGE FACILITIES. RUNOFF CONTAINING SUCH MATERIALS SHALL BE COLLECTED, REMOVED FROM THE SITE, AND DISPOSED OF IN ACCORDANCE WITH THE FEDERAL, STATE AND LOCAL REGULATIONS.
-CONTRACTOR SHALL DESIGNATE IN WRITING A PROPERLY TRAINED FOREMAN OR SUPERVISOR TO OVERSEE, ENFORCE AND INSTRUCT CONSTRUCTION WORKERS ON PROPER HAZARDOUS WASTE PROCEDURES. THE LOCATION OF ANY HAZARDOUS WASTE STORAGE AREAS SHOULD BE INDICATED ON THE STORMWATER POLLUTION PREVENTION PLAN BY THE OPERATOR FOLLOWING ON-SITE LOCATION OF THE FACILITY.
-IF REQUIRED BY FEDERAL, STATE, OR LOCAL REGULATIONS, THE CONTRACTOR SHALL HAVE A HAZARDOUS MATERIALS MANAGEMENT PLAN AND/OR HAZARDOUS MATERIALS SPILL AND PREVENTION PROGRAM IN PLACE FOR THIS PROJECT, A COPY OF WHICH SHALL REMAIN ON SITE AT ALL TIMES. A FOREMAN OR SUPERVISOR SHALL BE DESIGNATED IN WRITING TO OVERSEE, ENFORCE, AND INSTRUCT CONSTRUCTION WORKERS ON PROPER HAZARDOUS MATERIALS STORAGE AND HANDLING PROCEDURES. THE LOCATION OF ANY HAZARDOUS MATERIAL STORAGE AREAS SHALL BE INDICATED ON THE STORMWATER POLLUTION PREVENTION PLAN BY THE OPERATOR FOLLOWING ON-SITE LOCATION OF THE STORAGE AREAS. IN THE CASE OF A HAZARDOUS MATERIAL SPILL, CONTRACTOR SHALL FOLLOW THE NOTIFICATION PROCEDURES DETAILED IN C14, ABOVE.

-CONSTRUCTION ENTRANCE:
LOCATIONS WHERE VEHICLES EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFF-SITE SEDIMENT TRACKING. EACH CONTRACTOR AND SUBCONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE CONSTRUCTION ENTRANCE AND OTHER CONTROLS AS DESCRIBED IN THIS SWPPP.
-MATERIAL STORAGE INSPECTIONS:
INSPECTIONS MUST EVALUATE AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION. THE PURPOSE IS TO ENSURE THAT MATERIALS ARE PROTECTED AND/OR IMPOUNDED SO THAT POLLUTANTS CANNOT DISCHARGE FROM STORAGE AREAS. OFF-SITE MATERIAL STORAGE AREAS USED SOLELY BY THE SUBJECT PROJECT ARE CONSIDERED TO BE PART OF THE PROJECT AND MUST BE INCLUDED IN THE EROSION CONTROL PLANS AND THE SITE INSPECTION REPORTS.
-SOIL STABILIZATION INSPECTIONS:
SEEDED AREAS WILL BE INSPECTED TO CONFIRM THAT A HEALTHY STAND OF VEGETATION IS MAINTAINED. THE CONTRACTOR SHALL IMPLEMENT FINAL STABILIZATION WITH VEGETATIVE COVER ONCE PAVEMENTS ARE COMPLETE. A VEGETATIVE DENSITY OF 70% OR GREATER MUST BE ESTABLISHED AND MAINTAINED IN ORDER TO BE CONSIDERED AS PROPERLY STABILIZED. THE CONTRACTOR OR THEIR REPRESENTATIVE WILL WATER, FERTILIZE, AND RESEED DISTURBED AREAS AS NEEDED TO ACHIEVE THIS GOAL.
-EROSION AND SEDIMENT CONTROL IMONITORING AND MAINTENANCE GUIDELINES FOR POLLUTION CONTROL MEASURES:
ALL CONTROLS SHOULD BE INSPECTED AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND FOLLOWING ANY STORM EVENTS OF 0.5 INCH OR GREATER. THE FOLLOWING IS A LIST OF INSPECTION/MAINTENANCE PRACTICES THAT WILL BE USED FOR SPECIFIC CONTROLS:
1. GEOTEXTILES/EROSION CONTROL MATS: MISSING OR LOOSE MATTING MUST BE REPLACED OR RE-ANCHORED.
2. INLET PROTECTION: SEDIMENT SHOULD BE REMOVED WHEN IT REACHES APPROXIMATELY ONE-HALF THE HEIGHT OF THE FENCE. IF A SUMP IS USED, SEDIMENT SHOULD BE REMOVED WHEN THE VOLUME OF THE BASIN IS REDUCED BY 50%.
3. MULCHING: INSPECTION FOR THIN OR BARE SPOTS CAUSED BY NATURAL DECOMPOSITION OR WEATHER-RELATED EVENTS MULCH IN HIGH TRAFFIC AREA SHOULD BE REPLACED ON A REGULAR BASIS TO MAINTAIN UNIFORM PROTECTION.
4. SILT FENCE: REMOVAL OF BUILT-UP SEDIMENT WILL OCCUR WHEN THE SEDIMENT REACHES ONE-THIRD THE HEIGHT OF THE FENCE. REPAIR OR REPLACE FAILED OR SAGGING SILT FENCING.
5. STABILIZED CONSTRUCTION ENTRANCE: PERIODIC REGARDING AND TOP DRESSING WITH ADDITIONAL STONES.
6. VEGETATION: PROTECT NEWLY SEEDED AREAS FROM EXCESSIVE RUNOFF AND TRAFFIC UNTIL VEGETATION IS ESTABLISHED. ESTABLISH A WATERING AND FERTILIZING SCHEDULE.
7. GOOD HOUSEKEEPING: LITTER, CONSTRUCTION DEBRIS, AND CONSTRUCTION CHEMICALS EXPOSED TO STORMWATER SHALL BE PREVENTED FROM BECOMING A POLLUTANT SOURCE FOR STORMWATER DISCHARGES THROUGH SCREENING OF OUTFALLS AND DAILY PICKUP OF LITTER.
8. ROCK CHUTES AT PIPE OUTFALLS: INSPECT TO ENSURE THAT ROCK PLACEMENT IS EFFECTIVE TO PREVENT SCOUR. REPLACE OR REARRANGE ROCKS AS REQUIRED.

IN THE EVENT THAT SEDIMENT ESCAPES THE CONSTRUCTION SITE, OFF-SITE ACCUMULATIONS OF SEDIMENT MUST BE REMOVED AT A FREQUENCY SUFFICIENT TO MINIMIZE ADVERSE IMPACTS. AN EXAMPLE OF THIS MAY BE THE SITUATION WHERE SEDIMENT HAS WASHED INTO THE STREET AND COULD BE CARRIED INTO THE STORM SEWERS BY THE NEXT RAINFALL AND/OR POSE A SAFETY HAZARD TO USERS OF PUBLIC STREETS.

MODIFICATIONS/REVISIONS TO SWPPP
BASED ON INSPECTION RESULTS, ANY NECESSARY MODIFICATION TO THE SWPPP SHALL BE IMPLEMENTED WITHIN SEVEN CALENDAR DAYS OF THE INSPECTION. A MODIFICATION IS NECESSARY IF A CENTRAL MEASURE OR OPERATIONS PROCEDURE DOES NOT PROVIDE ADEQUATE POLLUTANT CONTROL. ALL REVISIONS SHALL BE RECORDED ON A RECORD OF REVISIONS WITHIN SEVEN CALENDAR DAYS OF THE INSPECTION.

IT IS THE RESPONSIBILITY OF THE OPERATOR TO MAINTAIN EFFECTIVE POLLUTANT DISCHARGE CONTROLS. PHYSICAL SITE CONDITIONS OR CONTRACTOR/SUBCONTRACTOR PRACTICES COULD MAKE IT NECESSARY TO INSTALL MORE CONTROLS THAN WERE ORIGINALLY PLANNED. FOR EXAMPLE, LOCALIZED CONCENTRATIONS OF SURFACE RUNOFF OR UNUSUALLY STEEP AREAS COULD REQUIRE ADDITIONAL SILT BARRIER OR OTHER STRUCTURAL CONTROLS. ASSESSING THE NEED FOR AND INSTALLING ADDITIONAL CONTROLS WILL BE A CONTINUING CONTRACTOR/SUBCONTRACTOR RESPONSIBILITY UNTIL FINAL STABILIZATION IS ACHIEVED. CONTRACTORS AND SUBCONTRACTORS IMPLEMENTING THIS SWPPP MUST REMAIN ALERT TO THE NEED TO PERIODICALLY REFINE AND UPDATE THIS SWPPP IN ORDER TO ACCOMPLISH THE INTENDED GOALS.

NOTICE OF TERMINATION:
COMPLIANCE OF THE SITE WITH THE GENERAL CONSTRUCTION PERMIT REMAINS THE RESPONSIBILITY OF ALL OPERATORS THAT HAVE SUBMITTED AN, NOI UNTIL SUCH TIME AS THEY HAVE SUBMITTED A NOTICE OF TERMINATION (NOT). THE PERMITTEE'S AUTHORIZATION TO DISCHARGE UNDER THE GENERAL CONSTRUCTION PERMIT TERMINATES AT MIDNIGHT OF THE DAY THE NOT IS SIGNED.

SECTION C. SWPPP FOR POST-CONSTRUCTION:

C1. POTENTIAL POLLUTANT SOURCES ASSOCIATED WITH THE PROPOSED LAND USE:
THE LAND USE WILL BE STORAGE AND MAINTENANCE OF LARGE TRUCKS. EXPECTED POLLUTANTS ARE:
A. DIRT AND SOLIDS FROM PARKING LOT AND ROADWAY RUNOFF
B. FERTILIZER AND CLIPPINGS FROM LAWN CARE OPERATIONS
C. LEAVES
D. FUEL, LUBRICANTS, ANTI-FREEZE, BRAKE FLUID, CHROME-PLATED ASHTRAY DEFOGGER SHAVINGS, TURN SIGNAL BLINKER FLUID, BRAKE DUST, RUBBER FRAGMENTS,
E. BITUMINOUS COMPOUNDS FROM PERIODIC PAVEMENT MAINTENANCE (SEALING, RESURFACING, & PATCHING).
F. PAVEMENT DE-ICING MATERIALS
G. ROAD GRITS
H. PAINT FRAGMENTS FROM PARKING STALL STRIPES
I. WIND-BLOWN LITTER FROM OFF-SITE SOURCES
J. ELEVATED WATER TEMPERATURES FROM CONTACT WITH WARM IMPERVIOUS SURFACES.

C2. POST-CONSTRUCTION STORMWATER QUALITY MEASURES TO BE IMPLEMENTED:
- WATER QUALITY TREATMENT WILL BE PROVIDED IN A REGIONAL WET POND, BUILT BY OTHERS, IMMEDIATELY SOUTH OF THIS SITE.

C3. PLANS FOR EACH STORM WATER MEASURE ARE LOCATED ON SHEETS C301 AND C303. DETAILS ARE SHOWN ON SHEETS C500 AND C501 WITHIN THIS PLAN SET.

C4. SEQUENCE DESCRIBING STORM WATER QUALITY MEASURE IMPLEMENTATION. NO WATER QUALITY TREATMENT WILL BE CONSTRUCTED AS PART OF THIS PROJECT.

C5. MAINTENANCE GUIDELINES FOR PROPOSED POST-CONSTRUCTION BMPS:
NO WATER QUALITY TREATMENT WILL BE CONSTRUCTED AS PART OF THIS PROJECT.

Madison County, Indiana (IN095)

Madison County, Indiana (IN095)

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
Bs	Brookston silty clay loam, 0 to 2 percent slopes	1.7	88.4%
CrA	Crosby silt loam, fine-loamy subsoil, 0 to 2 percent slopes	0.2	11.6%
Totals for Area of Interest		**1.9**	**100.0%**

Warning: Soil Map may not be valid at this scale.

RUSSELL E. SPIARS REGISTERED NO. 10100320 STATE OF INDIANA PROFESSIONAL ENGINEER
Russell Spiars, PE

No.	DATE	REVISION
0	5/27/25	SECOND SET. TO PLANNING
0	3/7/25	PRELIM SET. TO PLANNING

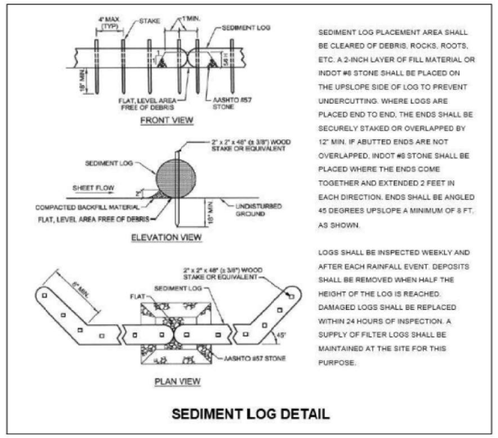
Spiars Engineering
civil engineering
site development
275 Medical Drive #82, Carmel, In 46032
317-289-5042 spiarsr@yahoo.com

FAIRFIELD INN HOTEL DEVELOPMENT
LOT 'H' OF HERITAGE HUB AT FALLS POINT BUSINESS PARK
HERITAGE WAY, PENDLETON, IN 46064

EROSION CONTROL/SWPPP NOTES

SHEET NO.
C302

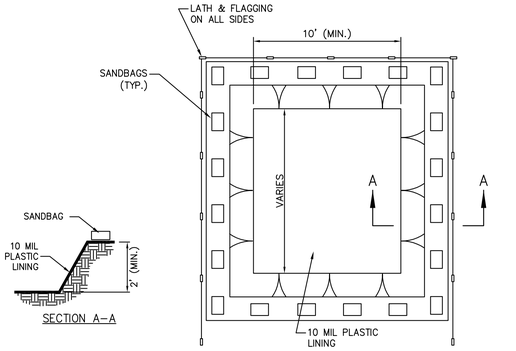
NOT FINAL



SEDIMENT LOG PLACEMENT AREA SHALL BE CLEARED OF DEBRIS, ROCKS, ROOTS, ETC. A 2-INCH LAYER OF FILL MATERIAL OR INDOT #8 STONE SHALL BE PLACED ON THE UPSLOPE SIDE OF LOG TO PREVENT UNDERCUTTING. WHERE LOGS ARE PLACED END TO END, THE ENDS SHALL BE SECURELY STAKED OR OVERLAPPED BY 12" MIN. IF ABUTTED ENDS ARE NOT OVERLAPPED, INDOT #8 STONE SHALL BE PLACED WHERE THE ENDS COME TOGETHER AND EXTENDED 2 FEET IN EACH DIRECTION. ENDS SHALL BE ANGLED 45 DEGREES UPSLOPE A MINIMUM OF 8 FT, AS SHOWN.

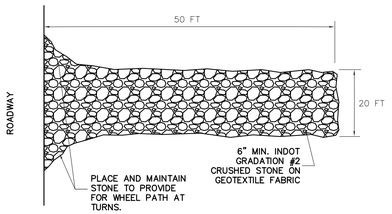
LOGS SHALL BE INSPECTED WEEKLY AND AFTER EACH RAINFALL EVENT. DEPOSITS SHALL BE REMOVED WHEN HALF THE HEIGHT OF THE LOG IS REACHED. DAMAGED LOGS SHALL BE REPLACED WITHIN 24 HOURS OF INSPECTION. A SUPPLY OF FILTER LOGS SHALL BE MAINTAINED AT THE SITE FOR THIS PURPOSE.

SEDIMENT LOG / FILTER SOCK
NOT TO SCALE



1. LOCATE WASH OUT AREA AT LEAST 50 FEET FROM STORM DRAINS, OPEN DITCHES, OR BODIES OF WATER. DO NOT ALLOW RUNOFF FROM THIS AREA BY CONSTRUCTING A TEMPORARY PIT OR BERMED AREA LARGE ENOUGH FOR LIQUID AND SOLID WASTE.
2. TEMPORARY WASH OUT FACILITIES SHOULD HAVE A TEMPORARY PIT AREA OF SUFFICIENT VOLUME TO COMPLETELY CONTAIN ALL LIQUID AND SOLID WASTE CONCRETE MATERIALS GENERATED DURING WASH OUT PROCEDURES.
3. ONLY CONCRETE FROM MIXER TRUCK CHUTES SHOULD BE WASHED INTO WASH OUT PIT.
4. PLASTIC LINING MATERIAL SHOULD BE A MINIMUM OF 10 MIL POLYETHYLENE SHEETING AND SHOULD BE FREE OF HOLES, TEARS, OR OTHER DEFECTS THAT COMPROMISE THE IMPERMEABILITY OF THE MATERIAL.
5. THE CONCRETE WASHOUT PLASTIC LINER SHALL BE INSPECTED DAILY FOR PUNCTURES OR TEARS. THE LINER SHALL BE REPLACED UPON REMOVAL OF HARDENED CONCRETE.
6. TEMPORARY CONCRETE WASHOUT FACILITIES SHOULD BE MAINTAINED TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM FREEBOARD OF 12 INCHES FOR BELOW GRADE FACILITIES. MAINTAINING TEMPORARY CONCRETE WASH OUT FACILITIES SHOULD INCLUDE REMOVING AND DISPOSING OF HARDENED CONCRETE AND RETURNING THE FACILITY TO A FUNCTIONAL CONDITION. HARDENED CONCRETE MATERIALS SHOULD BE REMOVED AND DISPOSED OF, IN ACCORDANCE WITH LOCAL STANDARDS.
7. CONCRETE WASHOUT AREAS SHALL BE CLEARLY MARKED WITH COMMERCIAL–TYPE LATH & FLAGGING AND A SIGN POSTED AND LABELED "CONCRETE WASHOUT."
8. THE CONCRETE WASH OUT AREA SHALL BE REPAIRED AND/OR ENLARGED AS NECESSARY TO MAINTAIN CAPACITY FOR WASTED CONCRETE.
9. WASHOUT FACILITIES MUST BE CLEANED, OR NEW FACILITIES MUST BE CONSTRUCTED AND READY FOR USE ONCE THE WASHOUT IS 75% FULL.
10. AT THE END OF CONSTRUCTION, ALL CONCRETE SHALL BE REMOVED FROM THE SITE AND LEGALLY DISPOSED OF AT AN APPROVED SITE.

CONCRETE WASHOUT
NOT TO SCALE



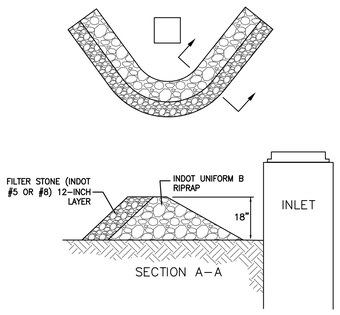
TEMPORARY GRAVEL CONSTRUCTION ENTRANCE INSTALLATION REQUIREMENTS:

1. AVOID LOCATING ON STEEP SLOPES OR AT CURVES IN PUBLIC ROADS.
2. REMOVE ALL VEGETATION AND OTHER OBJECTIONABLE MATERIAL FROM THE FOUNDATION AREA, AND GRADE AND CROWN FOR POSITIVE DRAINAGE.
3. IF SLOPE TOWARDS THE ROAD EXCEEDS 2%, CONSTRUCT A 6–8 in. HIGH WATER BAR (RIDGE) WITH 3:1 SIDE SLOPES ACROSS THE FOUNDATION AREA ABOUT 15 ft. FROM THE ENTRANCE TO DIVERT RUNOFF AWAY FROM THE ROAD.
4. INSTALL PIPE UNDER THE PAD IF NEEDED TO MAINTAIN PROPER PUBLIC ROAD DRAINAGE.
5. IF WET CONDITIONS ARE ANTICIPATED, PLACE GEOTEXTILE FABRIC ON THE GRADED FOUNDATION TO IMPROVE STABILITY.
6. PLACE STONE TO DIMENSIONS AND GRADE SHOWN IN THE EROSION/SEDIMENT CONTROL PLAN, LEAVING THE SURFACE SMOOTH AND SLOPED FOR DRAINAGE.
7. DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE STONE PAD TO A SEDIMENT TRAP OR BASIN.

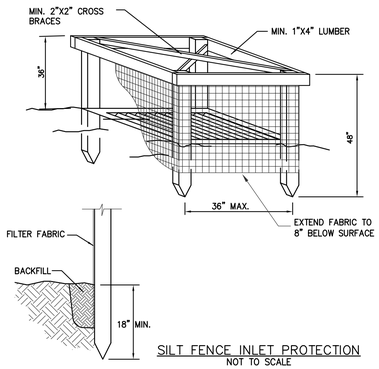
TEMPORARY GRAVEL CONSTRUCTION ENTRANCE MAINTENANCE REQUIREMENTS:

1. INSPECT ENTRANCE PAD AND SEDIMENT AREA WEEKLY AND AFTER STORM EVENTS OF HEAVY USE.
2. RESHAPE PAD AS NEEDED FOR DRAINAGE AND RUNOFF CONTROL.
3. TOP DRESS 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 ROCK TRAP OR BASIN.
5. REPAIR ANY BROKEN PAVEMENT IMMEDIATELY.

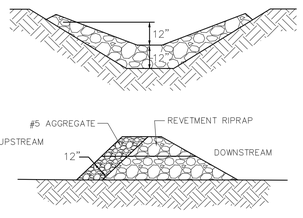
GRAVEL CONSTRUCTION ENTRANCE



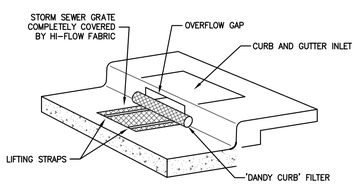
GRAVEL DONUT
NOT TO SCALE



SILT FENCE INLET PROTECTION
NOT TO SCALE



ROCK CHECK DAM
NOT TO SCALE

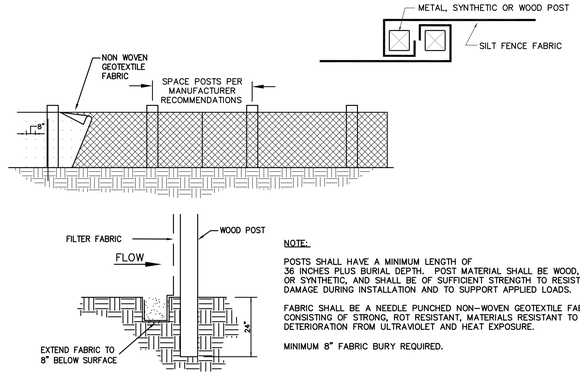


'DANDY CURB' SEDIMENT CONTROL DEVICE
NOT TO SCALE

SEASONAL SOIL PROTECTION CHART

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

A = KENTUCKY BLUEGRASS, 100 LBS./ACRE; CREEPING RED FESCUE, 100 LBS./ACRE; HYDROSEEDED
B = KENTUCKY BLUEGRASS, 120 LBS./ACRE; CREEPING RED FESCUE, 120 LBS./ACRE; HYDROSEEDED
C = SPRING OATS 3 BUSHELS/ACRE
D = WHEAT OR RYE 2 BUSHELS/ACRE
E = ANNUAL RYE GRASS 40 LBS./ACRE (1 LB/1000 SQ. FT.)
F = MULCHING AT 3" THICKNESS
/\/ = IRRIGATION NEEDED DURING JUNE, JULY, AUGUST AND/OR SEPTEMBER



NOTE:

POSTS SHALL HAVE A MINIMUM LENGTH OF 36 INCHES PLUS BURIAL DEPTH. POST MATERIAL SHALL BE WOOD, STEEL, OR SYNTHETIC, AND SHALL BE OF SUFFICIENT STRENGTH TO RESIST DAMAGE DURING INSTALLATION AND TO SUPPORT APPLIED LOADS.

FABRIC SHALL BE A NEEDLE PUNCHED NON–WOVEN GEOTEXTILE FABRIC CONSISTING OF STRONG, ROT RESISTANT, MATERIALS RESISTANT TO DETERIORATION FROM ULTRAVIOLET AND HEAT EXPOSURE.

MINIMUM 8" FABRIC BURY REQUIRED.

SILT FENCE INSTALLATION REQUIREMENTS

SITE PREPARATION ;

1. PLAN FOR THE FENCE TO BE AT LEAST 10 FT. FROM THE TOE OF THE SLOPE TO PROVIDE A SEDIMENT STORAGE AREA.
2. PROVIDE ACCESS TO THE AREA IF SEDIMENT CLEANOUT WILL BE NEEDED.

FENCE CONSTRUCTION

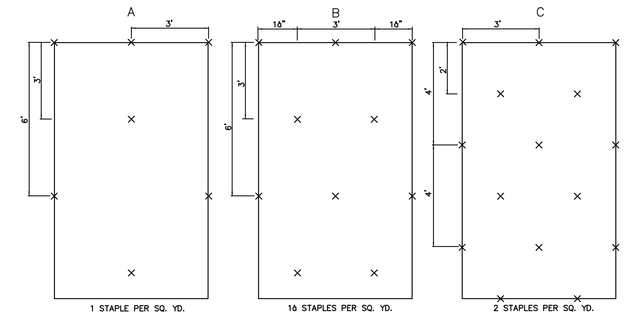
1. ALONG THE ENTIRE INTENDED FENCE LINE, DIG AN 8"–DEEP FLAT–BOTTOMED OR V–SHAPED TRENCH.
2. ON THE DOWNSIDE SLOPE OF THE TRENCH, DRIVE THE WOOD OR STEEL SUPPORT POSTS AT LEAST 1 ft. INTO THE GROUND, SPACING THEM NO MORE THAN 8' APART IF THE FENCE IS SUPPORTED BY WIRE OR 6'. IF EXTRA–STRENGTH FABRIC IS USED WITHOUT SUPPORT WIRE. ADJUST SPACING, IF NECESSARY, TO ENSURE IF THE NOTE: THAT POSTS ARE SET AT THE LOW POINTS ALONG THE FENCE LINE. (NOTE: IF THE FENCE HAS PRE–ATTACHED POSTS OR STAKES, DRIVE THEM DEEP ENOUGH SO THE FABRIC IS SATISFACTORILY IN THE TRENCH AS DESCRIBED IN STEP 6).
3. FASTEN SUPPORT WIRE FENCE (IF THE MANUFACTURER RECOMMENDS ITS USE) TO THE UPSLOPE SIDE OF THE POSTS, EXTENDING IT 8" INTO THE TRENCH.
4. RUN A CONTINUOUS LENGTH OF GEOTEXTILE FABRIC IN FRONT (UPSLOPE) OF THE SUPPORT WIRE AND POSTS, AVOIDING JOINTS, PARTICULARLY AT LOW POINTS IN THE FENCE LINE.
5. IF A JOINT IS NECESSARY, NAIL THE OVERLAP TO THE NEAREST POST WITH LATH.
6. PLACE THE BOTTOM 1 FOOT OF FABRIC IN THE 8"–DEEP TRENCH, EXTENDING THE REMAINING 4" TOWARD THE UPSLOPE SIDE.
7. BACKFILL THE TRENCH WITH COMPACTED EARTH OR GRAVEL.

NOTE: IF USING A PRE–PACKED COMMERCIAL SILT FENCE RATHER THAN CONSTRUCTING ONE, FOLLOW MANUFACTURER'S INSTALLATION INSTRUCTIONS.

SILT FENCE MAINTENANCE REQUIREMENTS

1. INSPECT THE SILT FENCE PERIODICALLY AND AFTER EACH STORM EVENT.
2. IF 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.

SILT FENCE CONSTRUCTION
NOT TO SCALE



NOTES:

CHANNEL LININGS UTILIZE STAPLE PATTERN "C" WITH ADDITIONAL STAPLES ON SIDE SLOPES AT PROJECTED WATER LINE.

STAPLE PATTERNS APPLY TO ALL NORTH AMERICAN GREEN EROSION CONTROL BLANKETS. STAPLE PATTERNS MAY VARY DEPENDING UPON SOIL TYPE AND AVERAGE RAINFALL.

AT SLOPE LENGTHS GREATER THAN 300 FEET OR WHERE DRAINAGE OVER LARGE AREAS IS DIRECTED ONTO THE BLANKETS, STAPLE PATTERN "C" SHOULD BE UTILIZED.

EROSION CONTROL MAT INSTALLATION GUIDE DETAIL
NOT TO SCALE

EROSION CONTROL BLANKET (SURFACE APPLIED) INSTALLATION REQUIREMENTS

1. SELECT THE TYPE AND WEIGHT OF EROSION CONTROL BLANKET TO FIT THE SITE CONDITIONS (e.g., SLOPE, CHANNEL FLOW VELOCITY).
2. INSTALL ANY PRACTICES NEEDED TO CONTROL EROSION AND RUNOFF, SUCH AS TEMPORARY OR PERMANENT DIVERSION, SEDIMENT BASIN OR TRAP, SILT FENCE.
3. GRADE THE SITE AS SPECIFIED IN THE CONSTRUCTION PLAN.
4. ADD TOPSOIL WHERE APPROPRIATE.
5. PREPARE THE SEEDBED, FERTILIZE (AND LIME, IF NEEDED), AND SEED THE AREA IMMEDIATELY AFTER GRADING.
6. FOLLOWING MANUFACTURER'S DIRECTIONS, LAY THE BLANKETS ON THE SEEDED AREA SUCH THAT THEY ARE IN CONTINUOUS CONTACT WITH THE SOIL AND THAT THE UPSLOPE OR UPSTREAM ONES OVERLAP THE LOWER ONES BY AT LEAST 8 in.
7. TUCK THE UPPERMOST EDGE OF THE UPPER BLANKETS INTO A CHECK SLOT (SILT TRENCH), BACKFILL WITH SOIL, AND TAMP DOWN.
8. ANCHOR THE BLANKETS AS SPECIFIED BY THE MANUFACTURER. THIS TYPICALLY INVOLVES DRIVING 6–8 in. METAL STAPLES INTO THE GROUND IN A PATTERN DETERMINED BY THE SITE CONDITIONS.

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.

RUSSELL E. SPIARS REGISTERED ENGINEER NO. 10100200 STATE OF INDIANA PROFESSIONAL ENGINEER
Russell E. Spiars, PE

No.	DATE	REVISION
0	5/27/25	SECOND SET. TO PLANNING
0	3/7/25	PRELIM SET. TO PLANNING

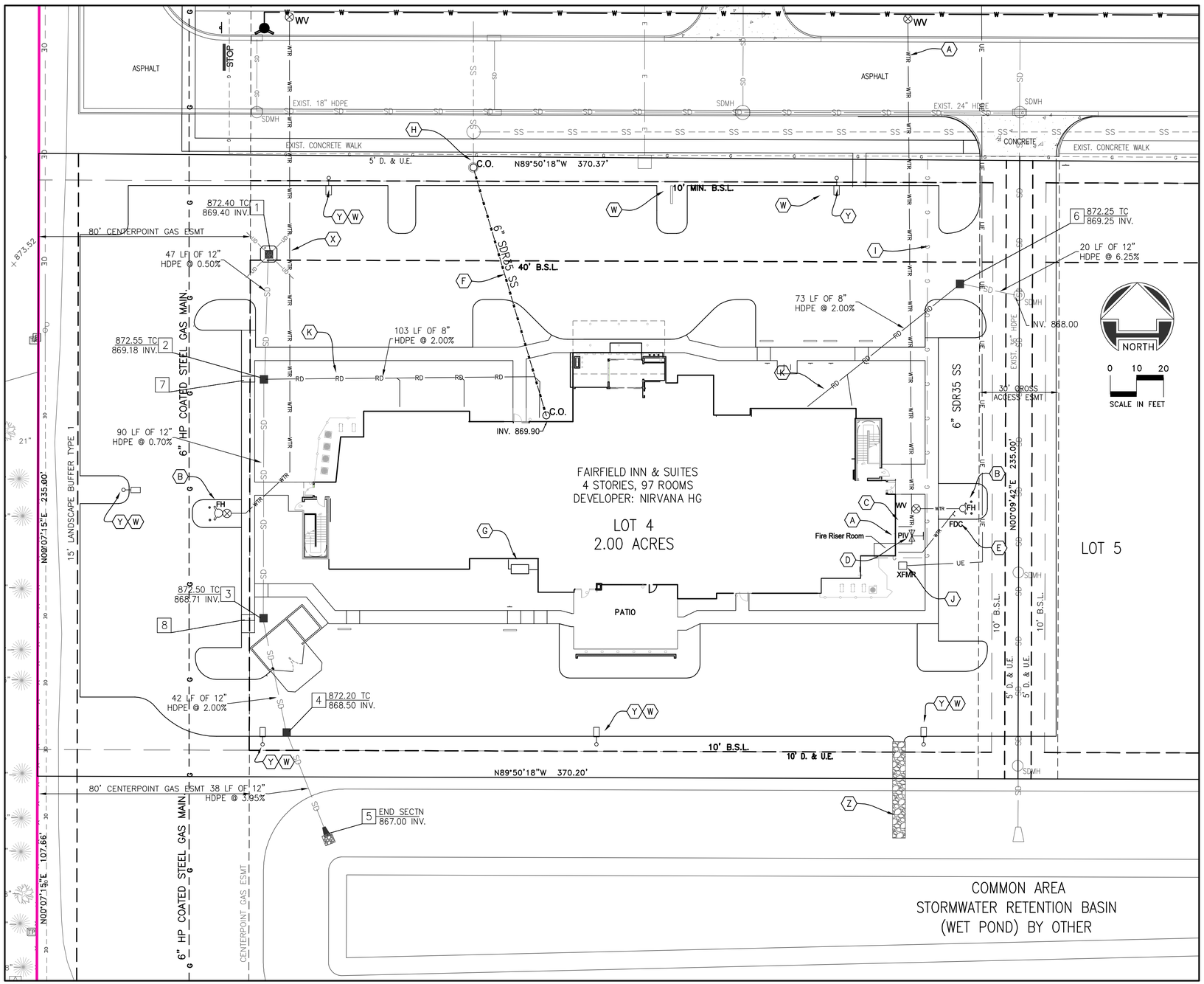
Spiars Engineering
civil engineering
site development
275 Medical Drive #82, Carmel, In 46032
317-289-5042 spiarsr@yahoo.com

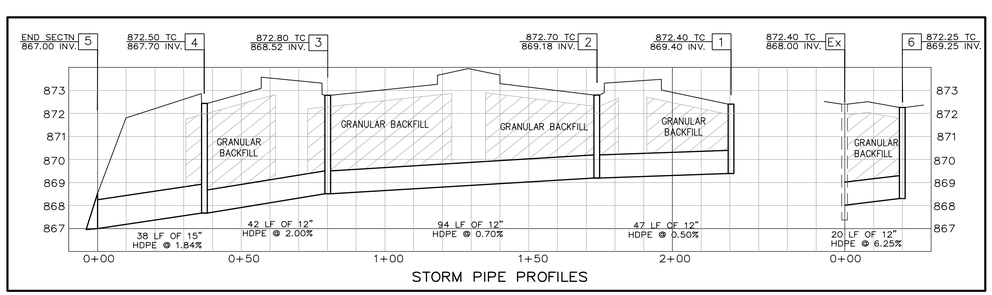
FAIRFIELD INN HOTEL DEVELOPMENT
LOT 'H' OF HERITAGE HUB AT FALLS POINT BUSINESS PARK
HERITAGE WAY, PENDLETON, IN 46064

EROSION CONTROL DETAILS

SHEET NO.
C303

NOT FINAL





STORM PIPE PROFILES

KEYED NOTES:

A. INSTALL 6" C900 WATER/FIRE LINE VIA SADDLE TAP OR TEE. INSTALL 6" VALVE AS SHOWN. CONNECT 6" FIRE LINE TO BLDG AS SHOWN ON ARCHITECTURAL/PLUMBING PLAN.
B. 6" HYDRANT ASSEMBLY AND VALVE. INSTALL PROTECTIVE BOLLARDS.
C. 4" DOMESTIC SERVICE LINE (DUCTILE IRON OR COPPER), 4" CORP STOP, 3" METER.
D. POST INDICATOR VALVE
E. FIRE DEPT CONNECTION W/ 5" STORZ CONNECTION.
F. 6" SDR35 SANITARY SEWER LATERAL LAID AT SLOPE NOT EXCEEDING 1.04% INSTALL 10-GAUGE TRACER WIRE ABOVE PIPE. INSTALL CLEANOUTS IN ACCORDANCE WITH PLUMBING CODE.
G. 1000-GAL GREASE TRAP AND 6" SDR35 LATERAL LINES IN AND OUT. SEE ARCHITECTURAL PLUMBING PLAN.
H. CONNECT TO SEWER CLEANOUT PER FALL CREEK REGIONAL WASTE DISTRICT STANDARDS. SEE DISTRICT STANDARDS FOR DESIGN AND CONSTRUCTION.
I. INSTALL 2" GAS SERVICE LINE AND METER. COORDINATE WITH GAS PROVIDER / CENTERPOINTE..
J. INSTALL ELECTRICAL SERVICE TO BUILDING. INSTALL TRANSFORMER AND PAD PER TOWN OF PENDLETON STANDARDS.
K. CAPTURE ROOF DRAINAGE FROM EACH DOWNSPOUT PER ARCHITECTURAL PLUMBING PLANS. CONNECT TO 8" PVC SCH 40 OR HDPE WITH APPROPRIATE FITTINGS. DISCHARGE INTO CATCH BASIN AS SHOWN. EARTH COVER SHALL BE AT LEAST 24 INCHES.
W. PRIOR TO PLACING PAVEMENT, INSTALL ALL REQUIRED ELECTRICAL CONDUIT AND WIRING FOR LIGHTING, SIGNAGE, ETC.
X. INSTALL 6" C900 FIRE HYDRANT LEAD WITH TEE/SLEEVE AND 6" VALVE.
Y. PROVIDE/INSTALL EXTERIOR LIGHTING PER LIGHTING PLAN PREPARED FOR THIS PROJECT BY OTHERS
Z. RIPRAP FLUME, W=6'. SEE DETAIL

UTILITY PLAN GENERAL NOTES:

1. ALL WORKMANSHIP AND MATERIALS SHALL CONFORM TO PUBLISHED TOWN OF PENDLETON AND MADISON COUNTY STANDARDS AND TO STATE REGULATIONS, AS APPROPRIATE. WHERE SILENT, MADISON COUNTY REGULATIONS OR STATE OF INDIANA REGULATION SHALL APPLY, WHICHEVER IS MOST STRINGENT.
2. WATER AND SEWER UTILITIES SHALL BE INSTALLED WITH ALL NECESSARY FITTINGS, APPURTENANCES AND RESTRAINTS TO PROVIDE A COMPLETE, FUNCTIONING SYSTEM. CONTRACTOR SHALL OBTAIN COPIES OF AND BE FAMILIAR WITH APPLICABLE FALL CREEK REGIONAL WASTE DISTRICT STANDARDS AND CONSTRUCTION DETAILS.
2. WATER FACILITIES SHALL BE INSTALLED WITH ALL NECESSARY FITTINGS, APPURTENANCES AND RESTRAINTS TO PROVIDE A COMPLETE, FUNCTIONING SYSTEM. CONTRACTOR SHALL OBTAIN COPIES OF AND BE FAMILIAR WITH APPLICABLE TOWN OF PENDLETON STANDARDS AND CONSTRUCTION DETAILS.
3. ANY DISCREPANCY IN THE PLANS SHALL BE IMMEDIATELY REPORTED BY CONTRACTOR TO THE ENGINEER FOR REVIEW. CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO START CONSTRUCTION. IF ANY DISCREPANCIES ARE FOUND IN THESE PLANS FROM ACTUAL FIELD CONDITIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY.
4. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL EXISTING UTILITIES AND THEIR ELEVATIONS PRIOR TO CONSTRUCTION. EXISTING UNDERGROUND UTILITIES ARE SHOWN IN THEIR APPROXIMATE LOCATIONS ACCORDING TO THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF THE EXISTING UTILITIES AND REPAIRING ANY DAMAGE DONE TO THE UTILITIES DURING PROBING OR CONSTRUCTION. TO OBTAIN ACCURATE FIELD LOCATIONS OF EXISTING UNDERGROUND UTILITIES, THE CONTRACTOR SHALL NOTIFY THE FOLLOWING FORTY-EIGHT (48) HOURS IN ADVANCE: INDIANA UNDERGROUND CABLE LOCATION 1-800-382-5544. ANY DAMAGE TO EXISTING FACILITIES WILL BE CORRECTED AND PAID BY THE CONTRACTOR.
5. CONTRACTOR SHALL PROVIDE SMOOTH TRANSITIONS FROM NEW AREAS TO EXISTING FEATURES AS NECESSARY.
6. ALL EXCAVATED AREAS SHALL BE SEEDED AFTER FINISH GRADING OR LEFT UNDISTURBED FOR MORE THAN 7 DAYS UNLESS OTHERWISE NOTED. ALL NEW SEEDED AREAS SHALL HAVE A MINIMUM OF 4" OF TOP SOIL. UPON COMPLETION, THE AREAS AROUND THE BLDG THAT ARE NOT PLANTER BEDS SHALL BE SODDED, NOT SEEDED.
7. CONTRACTOR SHALL RESURFACE OR RECONSTRUCT TO AT LEAST ORIGINAL CONDITIONS ALL AREAS WHERE THE EXISTING PAVEMENT OR LAWN IS DAMAGED DURING CONSTRUCTION FROM WORK PERFORMED OR TRAFFIC BY CONTRACTORS, SUBCONTRACTORS OR SUPPLIERS AFTER CONSTRUCTION WORK IS COMPLETE.
8. ALL UTILITY TRENCHES UNDER AND WITHIN 5 FEET OF PAVEMENT SHALL BE COMPLETELY BACKFILLED WITH GRANULAR MATERIAL.
9. THE CONTRACTOR SHALL PROTECT AND NOT DESTROY THE PROPERTY CORNER MONUMENTS DURING CONSTRUCTION. IF A CORNER MONUMENT IS MOVED OR DAMAGED, CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OR SURVEYOR OF RECORD.
10. HORIZONTAL LAYOUT PLAN FOR CONSTRUCTION STAKING SHALL BE PROVIDED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. THE BUILDING AND ASSOCIATED FEATURES SHALL BE STAKED OUT USING THE APPROVED ARCHITECTURAL PLANS RATHER THAN THE CIVIL PLANS.
11. CONTRACTOR SHALL INSTALL UNDERGROUND ELECTRICAL SERVICE BETWEEN THE BUILDING AND SITE LIGHTING POLES. CONDUIT FOR ALL UNDERGROUND ELECTRICAL LINES SHALL BE IN PLACE PRIOR TO PLACING ASPHALT PAVEMENT.
12. CONTRACTOR SHALL COORDINATE WITH THE UTILITY PROVIDER TO INSTALL COMMUNICATIONS, ELECTRICAL, GAS AND WATER SERVICES TO THE BUILDING IN ACCORDANCE WITH REQUIREMENTS OF LOCAL SERVICE PROVIDERS AND ARCHITECTURAL/MEP PLANS FOR THIS PROJECT. CONTRACTOR SHALL CONTACT ALL UTILITY PROVIDERS PRIOR TO CONSTRUCTION TO ASCERTAIN UTILITY LINE ROUTES AND REQUIREMENTS FOR ITEMS SUCH AS POLES, PAVEMENT CUTTING & PATCHING, JUNCTION BOXES, METER LOCATIONS, VALVES, CONDUIT AND PULL-WIRES, TRANSFORMERS & PADS, ETC., AND ALL APPURTENANT ITEMS NECESSARY TO ENSURE FUNCTIONING UTILITY SERVICES AT THE COMPLETION OF THE PROJECT.
13. CONCRETE PIPE SHALL BE INSTALLED WITH O-RING JOINTS.
14. CONTRACTOR SHALL OBTAIN THE FINAL APPROVED ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING PLANS PREPARED FOR THIS PROJECT AND SHALL PROVIDE UTILITY CONNECTIONS IN ACCORDANCE WITH LOCATIONS SHOWN THEREIN.
15. RAISING OR LOWERING THE TOP ELEVATION (6" OR LESS) OF EACH DRAINAGE STRUCTURE CASTING AS NECESSARY IN THE FIELD SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE STRUCTURE. NO ADDITIONAL PAYMENT PROVIDED SHALL BE MADE FOR SAID ADJUSTMENTS.
16. THE 'TC' VALUE SHOWN AT A DRAINAGE INLET IS THE ELEVATION AT WHICH WATER FIRST ENTERS THE CASTING, TYPICALLY SET AT 0.5" BELOW THE ADJACENT GUTTER WHEN THE STRUCTURE IS A CURB INLET.
17. BENCHWALLS FORMED WITH CONCRETE SHALL BE PROVIDED IN THE BOTTOM OF EACH DRAINAGE STRUCTURE. BENCHWALLS SHALL FORM A DEFINED CHANNEL TO A MINIMUM HEIGHT OF 80% OF THE DIAMETER OF THE INLET AND OUTLET PIPES.
18. REFER TO ASSOCIATED CONSTRUCTION DETAILS AND SPECIFICATIONS INCLUDED ON DETAIL SHEETS C500 – C502.

VERTICAL DATUM:

MAD G 92 ELEVATION 896.58 (NAVD 88)

INDOT BRONZE DISK SET IN THE NORTHWEST WING WALL OF THE STATE ROAD 38 BRIDGE OVER INTERSTATE 69.

CSC TBM #1 ELEVATION 872.50

A CUT "X" ON THE NORTH END OF A SECOND CONCRETE CURB ISLAND IN THE MIDDLE OF SOUTH HERITAGE WAY SOUTH OF SETTLEMENT TRAIL.

CSC TBM #5044 ELEVATION 873.18

A CUT SQUARE FOUND ON THE TOP OF A CONCRETE CURB NEAR THE NORTHEASTERN CORNER OF THE SURVEYED PROPERTY, LOCATED 73 FEET NORTH OF THE PHYSICAL CENTERLINE OF SETTLEMENT TRAIL AND 41 FEET WEST OF THE PHYSICAL CENTERLINE OF SOUTH HERITAGE WAY.

811 Know what's below. Call before you dig.

UTILITY SERVICE PROVIDERS

Gas
CenterPoint Energy
16000 Allisonville Road
Noblesville, Indiana 46060
Contact: Jay Boser
PH: 317-260-5477

Electric
Town of Pendleton
100 West State Street
Pendleton, Indiana 46064
Contact: Craig Switzer
PH: 765-778-2173

Streets
Town of Pendleton
100 West State Street
Pendleton, Indiana 46064
Contact: Rick Bowlin
PH: 765-778-2173

Sanitary Sewer
Fall Creek Regional Waste District
9378 S. CR 650 W
Pendleton, Indiana 46064
Contact: Tim McCurdy
PH: 765-778-754

Water
Town of Pendleton
100 West State Street
Pendleton, Indiana 46064
Contact: Ryan Brashears
PH: 765-778-2173

Storm Sewer
Town of Pendleton
100 West State Street
Pendleton, Indiana 46064
Contact: Jim Cook
PH: 765-778-2173

STRUCTURE DATA TABLE

STRUCT#	DESCRIPTION	CASTING TYPE
1	TYPE A INLET	R-4342
2	TYPE A INLET	R-3286-8V
3	TYPE A INLET	R-3286-8V
4	TYPE A INLET	R-3286-8V
5	METAL END SECTION	NA
6	TYPE A INLET	R-4342
7	CONC. FLUME UNDER WALK	R-4990-FX
8	CONC. FLUME UNDER WALK	R-4990-FX

ALL GRATE CASTINGS ON INLETS SHALL HAVE THE WORDS "NO DUMPING, DRAINS TO STREAM" CAST IN 1" RAISED LETTERS.

LEGEND

- SD — STORM DRAIN
- SS — SANITARY SEWER LATERAL
- WTR — WATER LINE
- RD — ROOFDRAIN COLLECTOR
- G — GAS LINE
- UC — UNDERGROUND COMM. LINE
- UD — DRAINAGE UNDERDRAIN
- UE — UNDERGROUND ELECTRIC
- OEC — EXIST. OVERHEAD ELECTRIC & TELE
- FH — FIRE HYDRANT
- PROPOSED WATER VALVE
- C.O. — PROPOSED CLEANOUT
- PROPOSED LIGHT POLE
- PP — POWER POLE
- EXIST. LIGHT POLE
- 2 — STORM STRUCTURE NUMBER

RUSSELL E. SPIARS REGISTERED PROFESSIONAL ENGINEER NO. 10100320 STATE OF INDIANA

No.	DATE	REVISION
0	5/27/25	SECOND SET. TO PLANNING
0	3/17/25	SITE PLAN REVIEW TO PLANNING

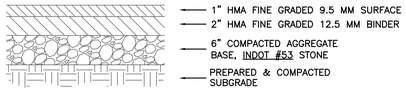
Spiars Engineering
civil engineering
site development
275 Medical Drive #82, Carmel, In 46032
317-289-5042
spiars@ychoo.com

FAIRFIELD INN HOTEL DEVELOPMENT
LOT 'H' OF HERITAGE HUB AT FALLS POINT BUSINESS PARK
HERITAGE WAY, PENDLETON, IN 46064

UTILITY PLAN

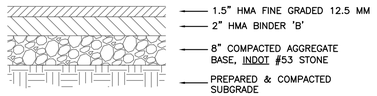
SHEET NO.
C400

NOT FINAL



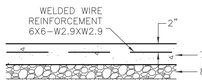
PAVEMENT SECTION IS BASED UPON TYPICAL SITE CONDITIONS. ANY AREAS OF SOILS FAILING A PROOFROLL TEST MUST BE REMOVED. COMPACT SUBGRADE TO 95% MODIFIED PROCTOR DENSITY. PREPARE SUBGRADE PER REQUIREMENTS OF GEOTECHNICAL REPORT PREPARED FOR THIS PROJECT.

LIGHT DUTY ASPHALT PAVEMENT SECTION



PAVEMENT SECTION IS BASED UPON TYPICAL SITE CONDITIONS. ANY AREAS OF SOILS FAILING A PROOFROLL TEST MUST BE REMOVED. COMPACT SUBGRADE TO 95% MODIFIED PROCTOR DENSITY. PREPARE SUBGRADE PER REQUIREMENTS OF GEOTECHNICAL REPORT PREPARED FOR THIS PROJECT.

HEAVY DUTY ASPHALT PAVEMENT SECTION



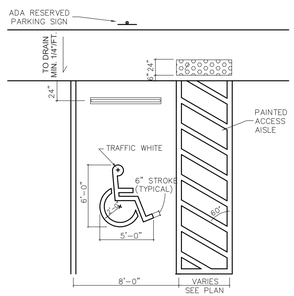
PAVEMENT SECTION IS BASED UPON TYPICAL SITE CONDITIONS. ANY AREAS OF SOILS FAILING A PROOFROLL TEST MUST BE REMOVED. COMPACT SUBGRADE TO 95% MODIFIED PROCTOR DENSITY. PREPARE SUBGRADE PER REQUIREMENTS OF GEOTECHNICAL REPORT PREPARED FOR THIS PROJECT.

7" REINFORCED CONCRETE PAVEMENT

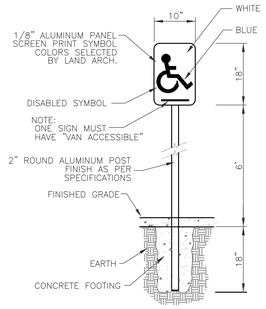
NOTES:
- INTEGRAL CURB WITH CONCRETE PAVEMENT SHALL BE SIMILAR SHAPE.
- CURE ALL EXPOSED SURFACES.
- CONTRACTION JOINTS SHALL BE TOOLED OR SAWED IN CONTINUOUSLY POURED CURBS TO A MINIMUM DEPTH OF 1/2".
- DAMPEN SUBGRADE BEFORE POURING CONCRETE.
- CONTROL JOINTS EVERY 5' MIN. OR RADII OTHERWISE EVERY 10' MIN.
- NO BACKFILLING OR COMPACTION MAY OCCUR 12" FROM CURB UNTIL 5 FULL DAYS HAVE PASSED AFTER PLACING CONCRETE.
- SHALL CONFORM TO CITY'S CONCRETE CURB POLICY.
- USE **CLASS 'A' FIBER REINFORCED** CONCRETE.

STRAIGHT CURB

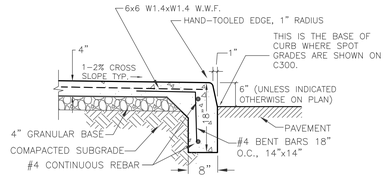
CONCRETE APRON AT INLETS



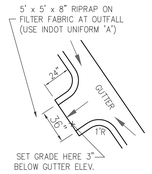
HANDICAPPED PARKING STALLS



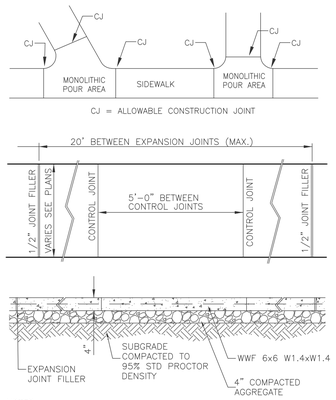
ADA RESERVED PARKING SIGN



TURNDOWN SIDEWALK AT HEAD-IN PRKG



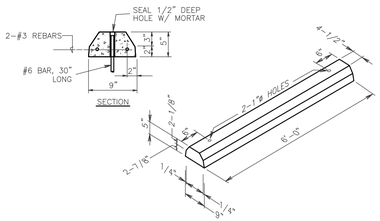
CURB GAP



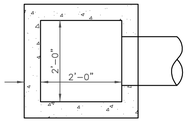
NOTES:
- PROVIDE CROSS GRADE OF 2% SLOPING DOWNWARD TOWARD THE STREET, UNLESS SHOWN OTHERWISE ON PLANS.
- CONTROL JOINTS SHALL BE HAND-TOOLED, 1" DEEP.
- CONCRETE SHALL HAVE COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS.
- CONSTRUCTION JOINTS SHALL NOT BE PLACED AT SIDEWALK TEE INTERSECTIONS THAT HAVE RADII AT THE TEE.
- CREATE THICKENED EDGE WHERE WALKS ABUTS CURB.

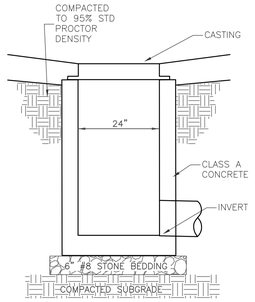
CONCRETE WALK SECTION (PRIVATE)

EXPANSION JOINT AT BLDG

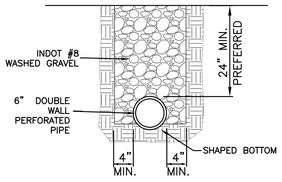


PRECAST CONCRETE WHEEL STOP

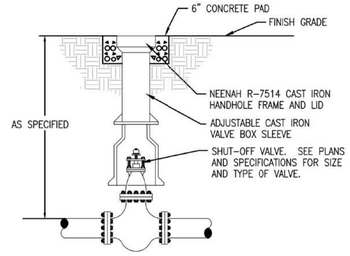




INLET TYPE 'A'



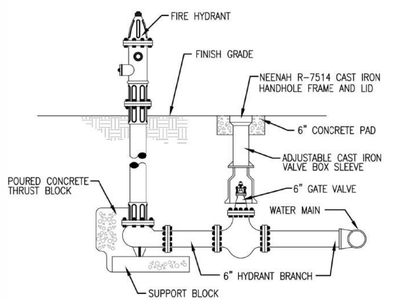
PERFORATED PIPE UNDERDRAIN (SSD)



VALVE BOX DETAIL

NO SCALE

9 C-803



FIRE HYDRANT DETAIL

NO SCALE

10 C-803

RUSSELL E. SPIARS NO. 10100320 STATE OF INDIANA REGISTERED PROFESSIONAL ENGINEER

No.	DATE	REVISION
0	5/27/25	SECOND SET. TO PLANNING
0	3/7/25	PRELIM SET. TO PLANNING

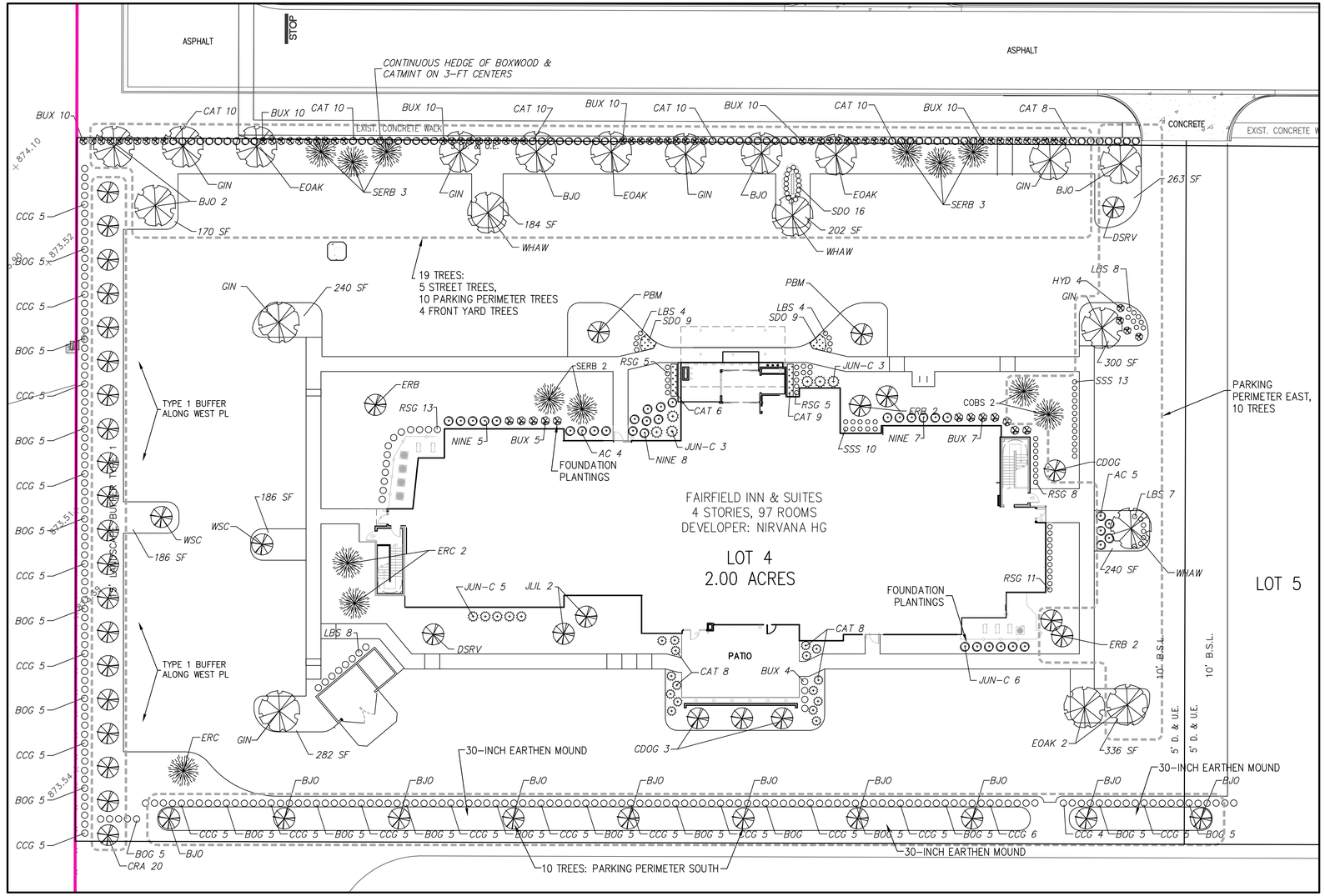
Spiars Engineering
civil engineering
site development
275 Medical Drive #82, Carmel, In 46032
317-289-5042 spicrsr@ychoo.com

FAIRFIELD INN HOTEL DEVELOPMENT
LOT 'H' OF HERITAGE HUB AT FALLS POINT BUSINESS PARK
HERITAGE WAY, PENDLETON, IN 46064

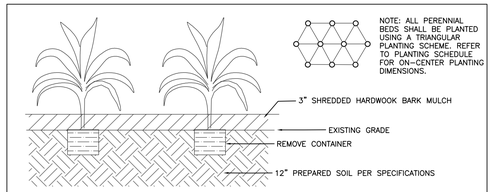
CONSTRUCTION DETAILS

SHEET NO. C500

NOT FINAL



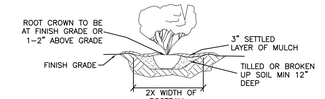
0 10 20 30
SCALE IN FEET



TYP. PERENNIAL PLANTING

NOTES: TYPICAL SHURB PLANTING, INDIVIDUAL PLANTING HOLE

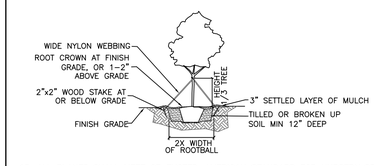
1. DIG PLANTING HOLE AT LEAST 2X THE WIDTH OF THE ROOT BALL OR CONTAINER.
2. SCARIFY SUBGRADE AND SIDES OF PLANTING HOLE WHEN PLANTING IN CLAY SOIL.
3. SET THE TOP OF THE ROOT BALL LEVEL WITH THE SOIL SURFACE, OR 1–2" ABOVE IF THE SOIL IS PRONE TO SETTLING.
4. IF CONTAINER GROWN PLANT, GENTLY SLIDE PLANT OUT OF CONTAINER. DISTURB THE ROOTS.
5. IF B&B PLANT, REMOVE BURLAP FROM AT LEAST THE TOP 12 INCHES OF THE ROOTBALL, WITHOUT DISTURBING THE ROOTBALL. REMOVE ALL CORD FROM THE TRUNK. REMOVE BURLAP AND WIRE BASKET (IF PRESENT) FROM THE ROOT BALL.
6. BACK FILL THE PLANTING HOLE WITH EXCAVATED NATIVE SOIL, BROKEN UP OR TILLED. WATER TO REMOVE AIR POCKETS. DO NOT ADD AMENDMENTS.
7. PLACE SHREDDED BARK MULCH ON THE SURFACE TO A (SETTLED) DEPTH OF 3 INCHES.



TYP. SHRUB PLANTING: INDIVIDUAL PLANTING HOLE

NOTES: TREE PLANTING

1. ALL PLANT MATERIALS SHALL BE IN ACCORDANCE WITH THE AMERICAN STANDARDS FOR NURSERY STOCK (ANSI Z60.1–2004). PLANT ACCORDING TO ANSI A300 PART 6.
2. DIG THE PLANTING HOLE A MINIMUM OF 2x WIDTH OF ROOTBALL FOR AT LEAST THE FIRST 12 INCHES OF DEPTH. BELOW 12 INCHES, DIG HOLE WIDE ENOUGH TO PERMIT ADJUSTING. DO NOT DIG THE HOLE DEEPER THAN ROOT BALL DEPTH.
3. SCARIFY THE SUBGRADE AND SIDES OF THE PLANTING HOLE WHEN PLANTING IN CLAY SOILS (MORE THAN 15% CLAY).
4. LIFT AND SET THE TREE BY ROOT BALL ONLY. DO NOT LIFT USING THE TREE TRUNK AND DO NOT USE TREE TRUNK AS A LEVER.
5. SET THE TOP OF THE ROOT BALL LEVEL WITH THE SOIL SURFACE OR SLIGHTLY HIGHER IF THE SOIL IS PRONE TO SETTLING.
6. AFTER THE TREE IS SET IN PLACE, REMOVE BURLAP, WIRE AND STRAPS FROM AT LEAST THE UPPER 1/3 OF THE ROOTBALL.
7. BACKFILL WITH EXISTING SOIL THAT HAS BEEN WELL–TILLED OR BROKEN UP. DO NOT ADD AMENDMENTS TO THE BACKFILL SOIL. AMEND THE SURFACE WITH MULCH.
8. USE THREE 2" X 2" WOOD STAKES DRIVEN INTO UNDISTURBED SOIL A MINIMUM OF 16 INCHES. SPACE STAKES EQUALLY AROUND THE TREE.
9. ATTACH 3/4" NYLON WEBBING TO CONNECT THE TREE TO STAKES. ATTACH WEBBING AT 1/3 THE TREE HEIGHT.
10. APPLY A 3" (SETTLED) DEPTH OF SHREDDED HARDWOOD BARK MULCH TO THE PLANTING SURFACE. LEAVE A 2" SPACE AROUND THE TRUNK FOR AIR CIRCULATION.
11. PRUNING SHALL BE LIMITED TO DEAD, DISEASED, OR BROKEN LIMBS ONLY AND SHALL BE IN ACCORDANCE WITH ANSI A300 SPECIFICATIONS.
12. REMOVE ANY TRUNK WRAP REMAINING AT TIME OF PLANTING. NO WRAPS SHALL BE PLACED ON TRUNK.
13. ALL PLANTS SHALL MEET OR EXCEED *AMERICAN STANDARD FOR NURSERY STOCK*, ANSI Z60.1, CURRENT EDITION, PER THE AMERICAN ASSOC. OF NURSERYMEN.
14. ALL MULCH BEDS SHAL BE COVERED WITH 4" LAYER OF SHREDDED HARDWOOD BARK. ALL HERBACEOUS PERENNIAL FLOWERBEDS SHALL BE COVERED WITH 2" SHREDDED HARDWOOD BARK MULCH. BARK MULCH SHALL BE APPROVED BY OWNER'S REPRESENTATIVE OR LANDSCAPE ARCHITECT AND SHALL BE UNIFORM IN TEXTURE AND COLOR AND SHALL BE OBTAINED FROM SAWMILL OR LUMBERING OPERATIONS. NO UTILITY MULCH OR PROCESSED TREE TRIMMINGS WILL BE ALLOWED.



TREE PLANTING DETAIL

LANDSCAPING NOTES

1. ALL PLANTS SHALL MEET OR EXCEED *AMERICAN STANDARD FOR NURSERY STOCK*, ANSI Z60.1, CURRENT EDITION, PER THE AMERICAN ASSOC. OF NURSERYMEN.
2. LANDSCAPING SHALL INCLUDE MULTIPLE VARIETIES WITHIN ONE GENERAL AREA. NO ONE SPECIES OF TREE MAY MAKE UP MORE THAN 30% OF THE TOTAL NUMBER OF TREES. A SIMILAR REQUIREMENT WILL APPLY TO SHRUBS AND GRASSES.
3. ALL MULCH BEDS SHALL BE COVERED WITH 4" LAYER OF SHREDDED HARDWOOD BARK. ALL HERBACEOUS PERENNIAL FLOWERBEDS SHALL BE COVERED WITH 2" SHREDDED HARDWOOD BARK MULCH. BARK MULCH SHALL BE APPROVED BY OWNER'S REPRESENTATIVE OR LANDSCAPE ARCHITECT AND SHALL BE UNIFORM IN TEXTURE AND COLOR AND SHALL BE OBTAINED FROM SAWMILL OR LUMBERING OPERATIONS. NO UTILITY MULCH OR PROCESSED TREE TRIMMINGS WILL BE ALLOWED.
4. AN APPROVED PRE–EMERGENT HERBICIDE SHALL BE APPLIED IN ALL PLANTING AND FLOWER BEDS AT RATES SPECIFIED BY MANUFACTURER.
5. FINAL PLACEMENT OF PLANT MATERIALS SHALL BE APPROVED BY OWNER'S REPRESENTATIVE OR LANDSCAPE ARCHITECT BEFORE PLANTING OPERATIONS PROCEED. ALL TREE LOCATIONS SHALL BE MARKED WITH WOODEN STAKES INDICATING VARIETY AND SIZE OF TREE. ALL GROUND COVER AND MULCH BED LINES SHALL BE MARKED BY A HIGHLY VISIBLE PAINT LINE AND OCCASIONAL WOOD STAKES FOR REFERENCE. ALL STAKES SHALL BE REMOVED FOLLOWING PLANTING OPERATIONS.
6. NO SUBSTITUTIONS OF PLANT MATERIAL SHALL BE ALLOWED WITHOUT PRIOR APPROVAL FROM OWNER'S REPRESENTATIVE. IF PLANTS ARE SHOWN TO BE UNAVAILABLE, THE CONTRACTOR SHALL NOTIFY OWNER'S REPRESENTATIVE OR LANDSCAPE ARCHITECT PRIOR TO BID DATE IN WRITING. ALL PLANTS SHALL BE INSPECTED AND TAGGED WITH PROJECT IDENTIFICATION AT NURSERY PRIOR TO MOVING TO THE PROJECT SITE. PLANTS ALSO MAY BE INSPECTED AND APPROVED OR REJECTED AT THE PROJECT SITE.
7. IN CASE OF DISCREPANCIES BETWEEN THE PLAN AND THE PLANT SCHEDULE, THE PLAN SHALL DICTATE.
8. PLANTS AND OTHER MATERIALS STORED ON SITE WILL BE PLACED WHERE THEY WILL NOT CONFLICT WITH CONSTRUCTION OPERATIONS AND AS DIRECTED BY THE OWNER.
9. ALL LANDSCAPE PLANTINGS, INCLUDING TRANSPLANTS, SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FOLLOWING FINAL INSPECTION BY OWNER'S REPRESENTATIVE OR LANDSCAPE ARCHITECT. AT THE END OF THIS PERIOD, PLANT MATERIAL DETERMINED DEAD OR UNSATISFACTORY BY OWNER'S REPRESENTATIVE OR LANDSCAPE ARCHITECT SHALL BE REPLACED BY CONTRACTOR AT NO ADDITIONAL CHARGE BY CONTRACTOR.
10. THE LANDSCAPE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AND FEES THAT MAY BE REQUIRED FOR HIS PORTION OF THE WORK.
11. INCORPORATE 4" DEPTH OF MUSHROOM COMPOST THOROUGHLY INTO TOP 12" OF SOIL IN HERBACEOUS PERENNIAL BEDS
12. LANDSCAPE CONTRACTOR SHALL NOTIFY OWNER'S REPRESENTATIVE OR LANDSCAPE ARCHITECT IN WRITING PRIOR TO BID DATE REGARDING ANY PLANTS THE HE FEELS MAY NOT SURVIVE TRANSPLANTING OPERATIONS OR IN LOCATIONS SHOWN ON PLAN.
13. ALL DISTURBED LAWN AREAS SHALL BE SEEDED OR SODDED AS DIRECTED BY OWNER. SEED SHALL BE MIXTURE "U" PER INDOT. LAWN SHALL BE ESTABLISHED ON ALL PERVIOUS AREAS NOT DESIGNATED FOR TREES, SHRUBS OR PLANTER BEDS.
14. ALL LAWNS SHALL HAVE A FULL UNIFORM STAND OF GRASS AT THE END OF ONE YEAR GUARANTEE PERIOD WITH NO BARE SPOTS COMPRISING MORE THAN 2% OF ANY LAWN AREA. ANY AREA SO NOTED SHALL BE RESEEDED UNTIL AN ACCEPTABLE STAND OF GRASS IS ESTABLISHED.
15. ALL LANDSCAPE PLANTINGS SHALL BE MAINTAINED FOR 90 DAYS FOLLOWING FINAL INSPECTION BY LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE. ALL SODDED LAWN SHALL BE MAINTAINED FOR A PERIOD OF 90 DAYS FOLLOWING FINAL INSPECTION AFTER WRITTEN REQUEST FROM LANSCAPE CONTRACTOR. MAINTENANCE SHALL INCLUDE WATERING, WEEDING, CULTIVATING, MULCHING, MOWING AND ALL OTHER NECESSARY OPERATIONS REQUIRED FOR PROPER ESTABLISHMENT OF LAWNS AND PLANTINGS. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WATERING, EVEN IF THERE IS NO OPERATIONAL IRRIGATION SYSTEM IN PLACE.
16. CONTRACTOR SHALL SUBMIT UNIT PRICES ON EVERY TYPE OF WORK.
17. ALL LAWN AREAS WITHIN LAWN LIMIT LINES SHALL RECEIVE 4" MINIMUM APPROVED TOPSOIL PRIOR TO SEEDING OR SODDING OPERATIONS.
18. EXISTING TREES TO BE PRESERVED SHALL BE MAINTAINED W/O INJURY TO THE ROOT SYSTEM. HEAVY EQUIPMENT TRAFFIC OR STORAGE SHALL NOT OCCUR WITHIN THE DRIPLINE OF TREES TO BE PRESERVED. SEE TREE PROTECTION FENCING DETAIL.
19. AT EXISTING TREES TO BE PRESERVED, REMOVE EXISTING GRASS AND INSTALL MULCH BED EXTENDING 3' FROM TRUNK.
20. TREES AND SHRUBS SHALL NOT BE LOCATED LESS THAN 3 FT FROM A PROPERTY LINE, HYDRANT, MANHOLE, HOSE BIB, VALVE VAULT OR FDC.

LANDSCAPE LEGEND

- OVERSTORY / DECIDUOUS / SHADE TREE
- CANOPY / ORNAMENTAL TREE
- UNDERSTORY EVERGREEN TREE
- SHRUB
- ORNAMENTAL GRASS

APPLICABLE UDO E. LANDSCAPE REQUIREMENTS

UDO E.13. TYPE 1 BUFFER ON WEST NEAR AERIAL POWER LINE: L=235 FT. REQ'D TREES IS 8 ORNAMENTALS PER 100 LF, WHICH IS 19 ORNAMENTAL TREES. 20 ARE BEING PROVIDED.

UDO E.14. FOUNDATION PLANTINGS. REFER TO PLAN VIEW. UDO REQUIREMENTS ARE EXCEEDED.

UDO E15. FRONT YARD PLANTINGS: LOT SIZE=87,000 SF. 4 CANOPY TREES REQUIRED AND 4 PROVIDED

UDO E.16B. PARKING LOT PERIMETER: REQUIREMENT: 1 SHADE TREE AND 10 SHRUBS PER 30 LF. TOTAL PERIMETER LF = 807 LF. REQ'D TREES AND SHRUBS= 27 TREES, 270 SHRUBS (10 NORTH, 10 SOUTH, 7 EAST.) PROVIDED: 30 TREES, 270 SHRUBS.

UDO E.16B.ii PARKING LOT STREET FRONTAGE: 3–FT–TALL HEDGE REQUIRED. PROVIDED: 3–FT–TALL HEDGE OF BOXWOODS AND CATMINTS.

UDO E.16C. PARKING LOT INTERIOR REQUIREMENT: 1 SHADE TREE PER 10 SPACES = 103/10 = 8 SHADE TREES 12 ORNAMENTAL TREES. 7% OF PARKING AREA TO BE LANDSCAPED = 2382 SF REQUIRED. 2829 SF PROVIDED.

UDO E.20. STREET TREES: L=370 FT. 370/90 = 5 STREET TREES PROVIDED ON NORTH.

MINIMUM PLANT SIZE PER UDO E.10

DECIDUOUS TREES. ALL REQUIRED DECIDUOUS TREES SHALL BE AT LEAST 2.5 INCHES CALIPER AT THE TIME OF PLANTING, MEASURED AT 6 INCHES ABOVE THE ROOT BALL.

EVERGREEN TREES. ALL REQUIRED EVERGREEN TREES SHALL BE AT LEAST 8 FEET IN HEIGHT AT THE TIME OF PLANTING, MEASURED FROM THE TOP OF THE ROOTBALL.

ORNAMENTAL TREES. ALL REQUIRED ORNAMENTAL TREES SHALL BE AT LEAST 2.5 INCHES CALIPER AT THE TIME OF PLANTING, MEASURED AT 6 INCHES ABOVE THE ROOT BALL.

SHRUBS. ALL REQUIRED SHRUBS SHALL BE AT LEAST 18 INCHES IN HEIGHT AT THE TIME OF PLANTING, MEASURED FROM THE GROUND LEVEL.

PLANT SCHEDULE

SYMBOL	BOTANICAL NAME	COMMON NAME	NOTES	NO.
STREET & SHADE TREES				
EOAK	QUERCUS ROBUR F. FASTIGIATA	ENGLISH OAK	2.5"-CALIPER, B&B, SYMMETRICAL, CENTRAL LEADER	5
BJO	QUERCUS MARILANDICA	BLACKJACK OAK	2.5"-CALIPER, B&B, SYMMETRICAL, CENTRAL LEADER	15
WHAW	CRATAGUS PHAENOPYRUM	WASHINGTON HAWTHORN	2.5"-CALIPER, B&B, SYMMETRICAL, CENTRAL LEADER	3
GIN	GINKGO BILOBA 'AUTUMN GOLD'	AUTUMN GOLD GINKGO	2.5"-CALIPER, B&B, SYMMETRICAL, CENTRAL LEADER	6
ORNAMENTAL TREES				
DSRV	AMELANCHOR ARBOREA	DOWNY SERVICEBERRY	2.5"-CALIPER, B&B, SYMMETRICAL, CENTRAL LEADER	2
CDOG	CORNUS MAS	CORNELIAN CHERRY DOGWOOD	B&B, SYMMETRICAL, CENTRAL LEADER	4
PBM	ACER GRSEUM	PAPERBARK MAPLE	B&B, SYMMETRICAL, CENTRAL LEADER	2
WSC	MALUS CORONELIA	WILD SWEET CRABAPPLE	B&B, SYMMETRICAL, CENTRAL LEADER	2
JLIL	SYRINGA RETICULATA	IVORY SILK JAPANESE TREE LILAC	B&B, SYMMETRICAL, CENTRAL LEADER	2
CRA	MALUS CORONARIA	WILD SWEET CRABAPPLE	B&B, SYMMETRICAL, CENTRAL LEADER	20
ERB	CERCIS CANADENSIS	EASTERN REDBUD	B&B, SYMMETRICAL, CENTRAL LEADER	5
EVERGREEN TREES				
COBS	PICEA PUNGENS GLAUCA	COLORADO BLUE SPRUCE	HEAVY FULL SPECIMEN, UNSHEARED	2
SERB	PICEA OMORIKA	SERBIAN SPRUCE	HEAVY FULL SPECIMEN, UNSHEARED	8
ERC	PICEA OMORIKA	EASTERN RED CEDAR	B&B, SYMMETRICAL, CENTRAL LEADER	3
SHRUBS AND GRASSES				
BUX	BUXUS K 'GREEN VELVET'	GREEN VELVET BOXWOOD	3-GAL., 2-3' HT., 3' SPACING	76
HYD	HYDRANGEA ABORESCENS	SMOOTH HYDRANGEA	3-GAL., 2-3' HT., 4' SPACING	4
NINE	PHYSOCARPUS OPULIFOLIUS	DIABLO NINEBARK	3-GAL., 2-3' HT., 4' SPACING	20
JUN-C	JUNIPERUS COMMUNIS	COMMON JUNIPER	3-GAL., 2-3' HT., 4' SPACING	17
LBS	SCHIZACHYRIUM	LITTLE BLUE STEM/BLUE PARADISE	No. 3	31
RSG	PANICUM VIRGATUM	RED SWITCH GRASS / CHEYENNE SKY	2-GAL., 3' HT., 2' SPACING	37
CCG	MUHLENBERGIA CAPILLARIS	COTTON CANDY GRASS	2-GAL., 3' HT., 2' SPACING	99
BOG	HELICTOTRICHON SEMPERVIRENS	BLUE OAT GRASS	2-GAL., 3' HT., 2' SPACING	95
AC	VIBURNUM TRILOBUM	AMERICAN CRANBERRY	3-GAL., 2-3' HT., 4' SPACING	9
SSS	SPIREA NIPONICA	SNOWMOUND NIPPON SPIREA	2-GAL., 3' HT., 2' SPACING	23
PERENNIALS				
SDO	HEMEROCALLIS 'STELLA DORO'	STELLA D'ORO LILLY	SIZE NO. 1, 18" O.C.	18
CAT	NEPETA X FAASSENII 'JUNIOR WALK	JUNIOR WALKER CATMINT	#1 POT @ 30" O.C.	91

No.	DATE	REVISION
0	5/27/25	SECOND SET. TO PLANNING
0	3/7/25	PRELIM SET. TO PLANNING

RUSSELL E. SPIARS REGISTERED NO. 10100320 STATE OF INDIANA PROFESSIONAL ENGINEER

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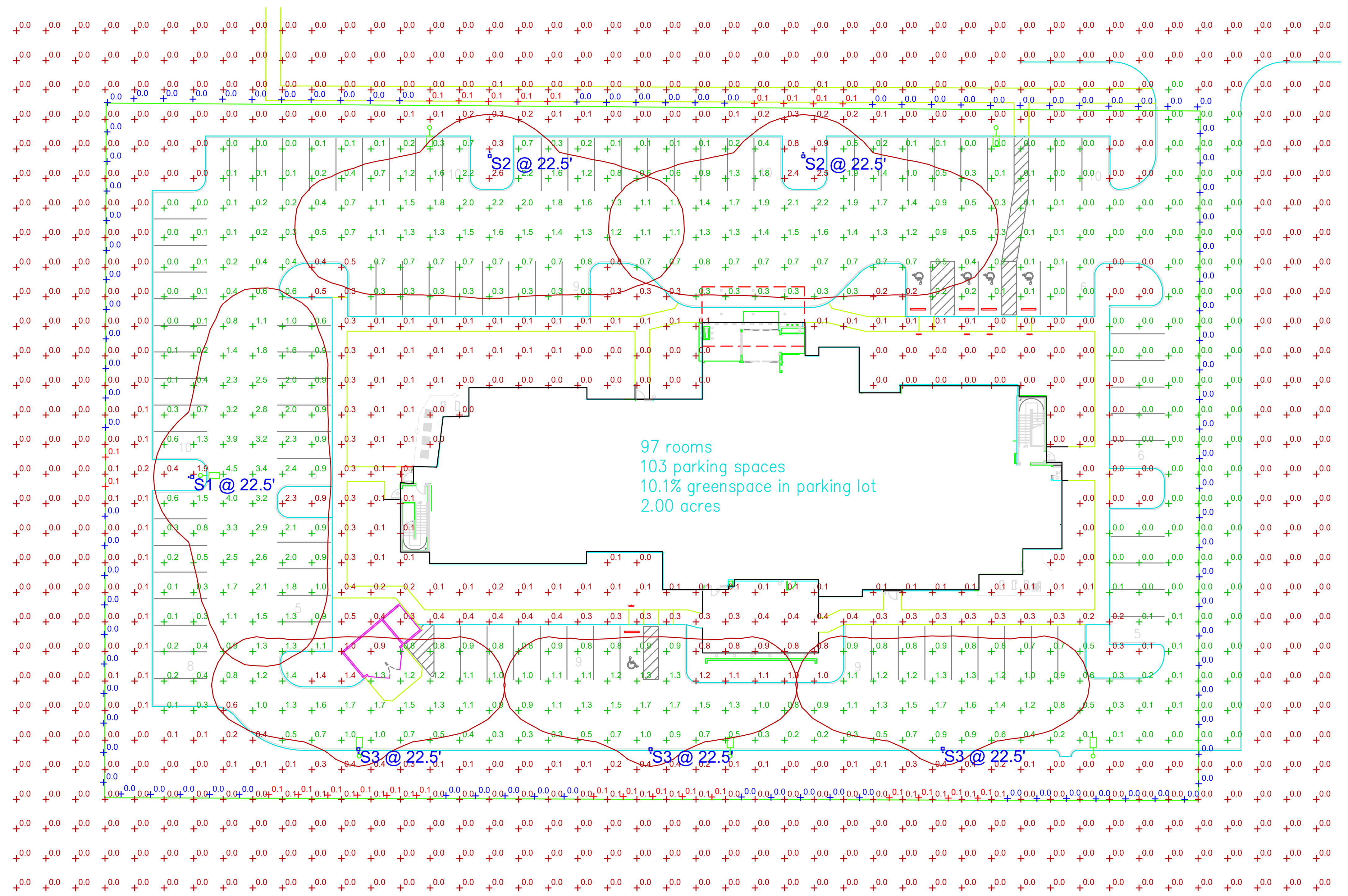
FAIRFIELD INN HOTEL DEVELOPMENT
LOT 'H' OF HERITAGE HUB AT FALLS POINT BUSINESS PARK
HERITAGE WAY, PENDLETON, IN 46064

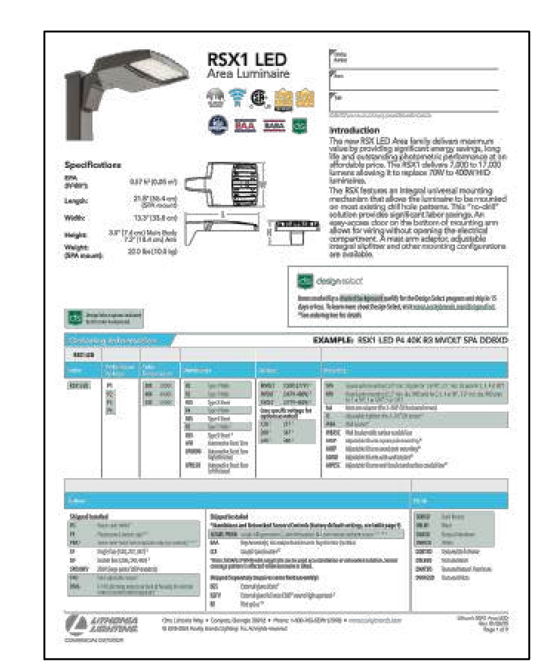
LANDSCAPE PLAN

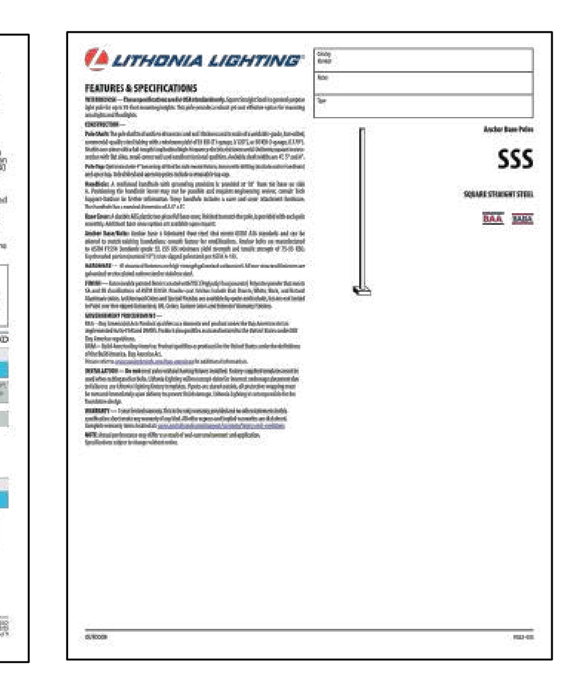
SHEET NO.
C600

NOT FINAL



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





Statistics

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Paved Areas_ Grade	✳	0.7 fc	4.5 fc	0.0 fc	N/A	N/A
Property Line_ Grade	+	0.0 fc	0.1 fc	0.0 fc	N/A	N/A
Site_ Grade	+	0.3 fc	4.5 fc	0.0 fc	N/A	N/A

Schedule

Symbol	Label	Image	Quantity	Manufacturer	Catalog Number	Description	Lumens Per Lamp	Light Loss Factor	Wattage
□	S1		1	Lithonia Lighting	RSX2 LED P2 40K R3 HS MVOLT SPA XXXXX/ MOUNTED AT 22'-6" ON 20'-0" POLE WITH 2'-6" BASE	RSX LED Area Luminaire Size 2 P2 Lumen Package 4000K CCT Type R3 Distribution with HS shield	12074	0.95	114.07
□	S2		2	Lithonia Lighting	RSX1 LED P2 40K R3 HS MVOLT SPA XXXXX/ MOUNTED AT 22'-6" ON 20'-0" POLE WITH 2'-6" BASE	RSX LED Area Luminaire Size 1 P2 Lumen Package 4000K CCT Type R3 Distribution with HS shield	6909	0.95	72.95
□	S3		3	Lithonia Lighting	RSX1 LED P1 40K R3 HS MVOLT SPA XXXXX/ MOUNTED AT 22'-6" ON 20'-0" POLE WITH 2'-6" BASE	RSX LED Area Luminaire Size 1 P1 Lumen Package 4000K CCT Type R3 Distribution with HS shield	4981	0.95	51.34

GENERAL NOTES

GENERAL PLAN NOTES:

- MH: AS NOTED'
- POINTS CALCULATED AT: GRADE
- LIGHT LOSS FACTOR: AS NOTED
- CONTACT DAN BISHOP AT LIGHTSOURCE FOR PRICING/QUOTATION INFORMATION

No.	Revision/Issue	Date

Firm Name and Address

LIGHT|source THE LIGHTING & CONTROLS EXPERTS

8719 CASTLE PARK DRIVE
INDIANAPOLIS, IN 46256
WWW.LIGHTSOURCEINDIANA.COM
p:317-598-6900

Project Name and Address

FAIRFIELD INN
PENDLETON, IN

EXTERIOR LIGHTING PHOTOMETRIC

Drawn By
ARH

Scale
As Noted

Date
3/4/2025

Drawing #
LS-25-2167 SITE

Sheet No.
E101