

CENTRAL ELEMENTARY SCHOOL PARKING LOT GREENCASTLE, IN

JANUARY 29, 2024



LOCATION MAP
NOT TO SCALE



AREA LOCATION MAP: STATE OF INDIANA
SCALE: NONE

BENCHMARK INFORMATION:

#	Longitude	Latitude	Elevation	Location
1	1579591	3027706	768.281	MNS/ CPT 1FT ON EOP W SIDE OF N ENTRANCE
2	1579115	3028073	768.749	CXS/ CPT ON CIRCLE FGP ISLAND W SIDE
4	1578929	3029137	782.202	RBS/ CPT MID WAY UP HILL SIDE
5	1578541	3029134	789.166	RBS/ CPT MID HILL 100FT OFF SE COR OF MIDDLE SCHOOL
7	1578859	3027731	768.950	MNS/ CPT IN YELLOW POS TRIANGLE
8	1578474	3027646	766.493	MNF/ CPT ON EOP 15FT FROM SE COR OF BLUE SHED
11	1578870	3028816	780.110	CXS/ CPT IN FRONT OF MAIN ENTRANCE 75FT OUT
12	1579165	3028313	768.851	CXS/ CPT ON WALK COR 30FT E OFFH
14	1578885	3028504	768.621	MNS/ CPT 15FT N OF LPR IN LOT
15	1578669	3027924	768.621	MNS/ CPT 20FT N OF END OF CLF
16	1578547	3028754	782.901	RBS/ CPT 10FT S OF BEND IN WALK SW SIDE

VERTICAL DATUM INFORMATION:

COS C 62 RESET 1949 ELEVATION 732.79 (NAVD 88)

A STANDARD DISK SET 1.4 MILES EAST ALONG U.S. HIGHWAY 40 FROM THE POST OFFICE AT PUTNAMVILLE, PUTNAM COUNTY, 1.2 MILES WEST OF THE JUNCTION OF STATE HIGHWAY 43, AT THE EAST END OF A WEIGHING STATION, AT A 2-FOOT BY 3-FOOT CONCRETE BOX CULVERT, IN THE TOP OF THE SOUTH HEADWALL, AND 75 FEET SOUTH OF THE CENTERLINE OF THE EAST-BOUND LANE OF THE HIGHWAY.

CSC TBM #1380 ELEVATION 804.12

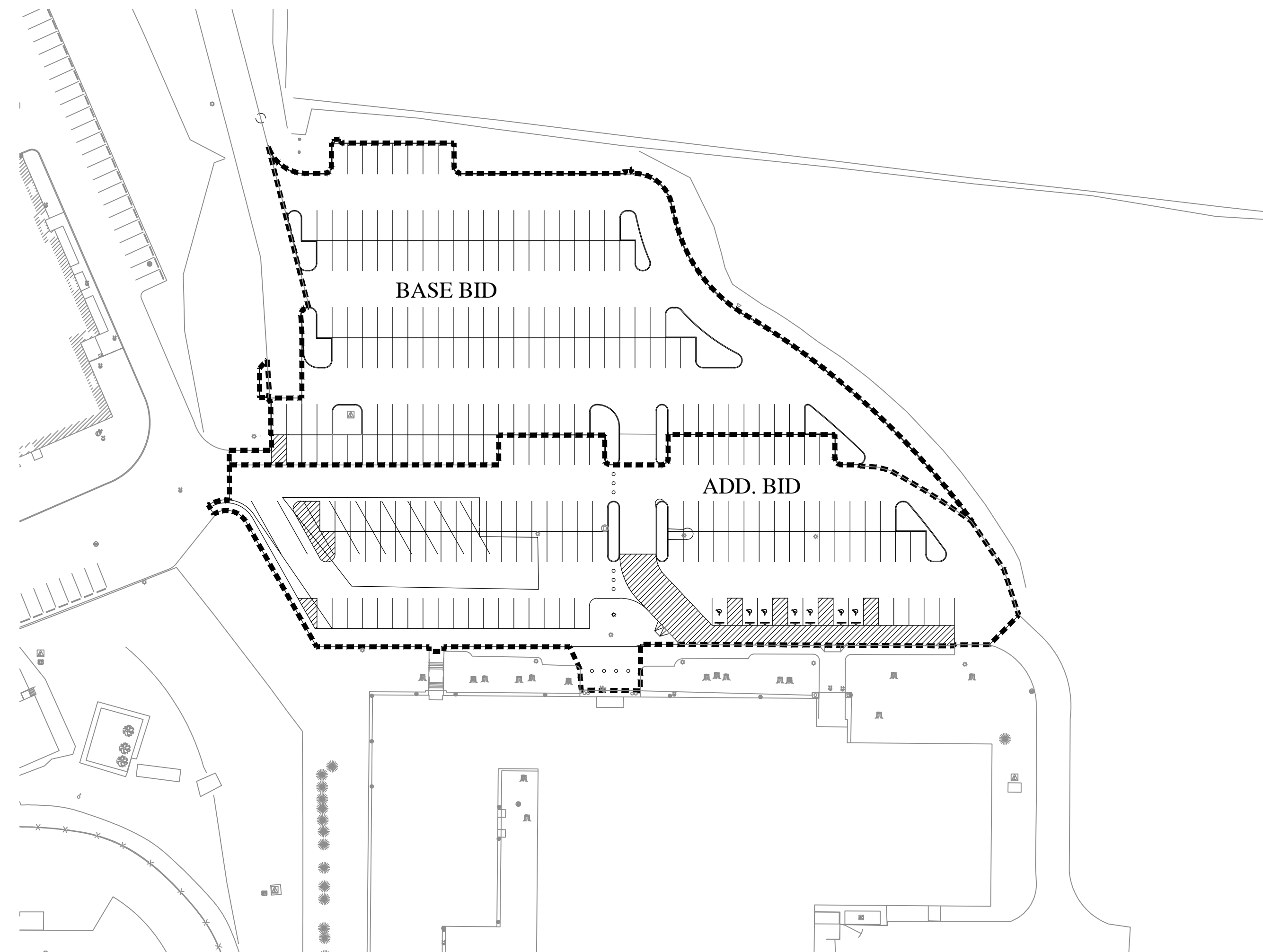
CUT "X" SET IN THE NORTHEAST MOST BOLT OF A FIRE HYDRANT LOCATED APPROXIMATELY 1,780.7 FEET SOUTH OF THE PHYSICAL CENTERLINE OF THE EAST BOUND LANE OF U.S. HIGHWAY 40 AND APPROXIMATELY 2,063.6 FEET EAST OF THE PHYSICAL CENTERLINE OF U.S. HIGHWAY 231.

CSC TBM #2930 ELEVATION 770.83

CUT "X" SET IN THE NORTHWEST MOST BOLT OF A FIRE HYDRANT LOCATED APPROXIMATELY 758.5 FEET SOUTH OF THE PHYSICAL CENTERLINE OF THE EAST BOUND LANE OF U.S. HIGHWAY 40 AND APPROXIMATELY 1,172.0 FEET EAST OF THE PHYSICAL CENTERLINE OF U.S. HIGHWAY 231.

CSC TBM #4533 ELEVATION 773.76

CUT "X" SET IN A CONCRETE RIGHT OF WAY MONUMENT LOCATED APPROXIMATELY 59.5 FEET SOUTH OF THE PHYSICAL CENTERLINE OF THE EAST BOUND LANE OF U.S. HIGHWAY 40 AND APPROXIMATELY 622.3 FEET EAST OF THE PHYSICAL CENTERLINE OF U.S. HIGHWAY 231.



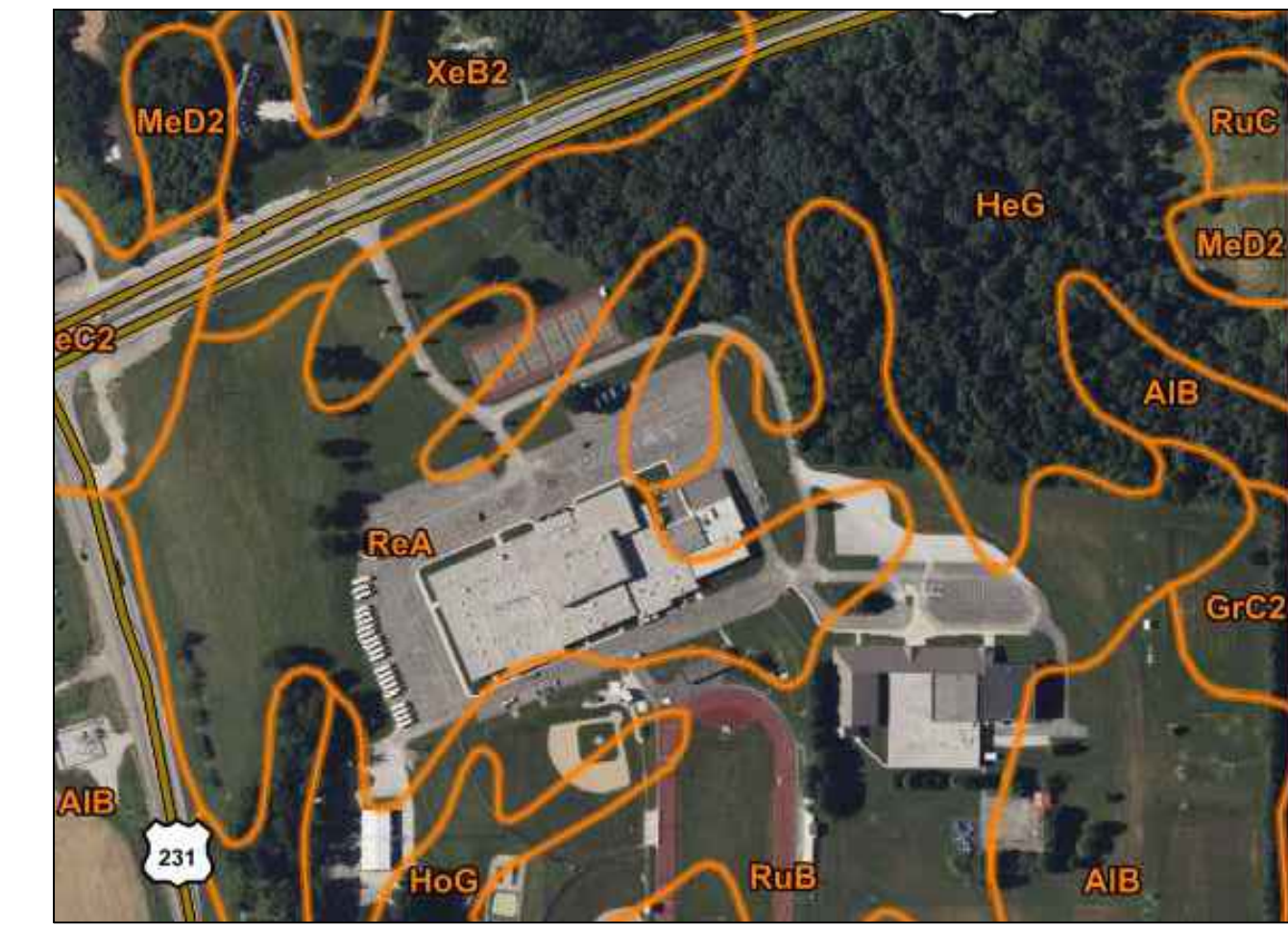
SITE MAP
SCALE: 1" = 60'



Call 811 or 800-382-5544 Before you Dig!

DEVELOPER/ OWNER:
Dr. Corey Smith
Superintendent
South Putnam Community
School Corporation
3999 S. US Highway 231
Greencastle, IN 46135
(765) 653-319

AGENT/ENGINEER:
HWC Engineering
135 N. Pennsylvania St, Suite 2800
Indianapolis, IN 46204
Ryan Robinson, PE
(317)946-6971
RROBINSON@HWCENGINEERING.COM



SOILS MAP
NOT TO SCALE

SOILS LEGEND
HeG Hennessee loam, 25 to 50 percent slopes.
ReA Reesville silt loam, 0 to 2 percent slopes.
RuB Russell silt loam, 2 to 6 percent slopes.

SITE ADDRESS:
CENTRAL ELEMENTARY SCHOOL
1888 EAST U.S. HIGHWAY 40
GREENCASTLE, INDIANA 46135

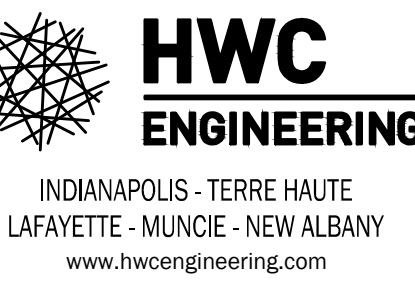
SHEET INDEX

Sheet Number	Sheet Title
C1.0	COVER
C1.1	GENERAL NOTES
C2.0	EXISTING CONDITIONS AND DEMOLITION PLAN
C3.0	SITE IMPROVEMENT PLAN
C4.0	GRADING AND DRAINAGE PLAN
C8.0	STORMWATER POLLUTION PREVENTION PLAN
C8.1- C8.2	STORMWATER POLLUTION PREVENTION NOTES
C8.3	STORMWATER POLLUTION PREVENTION DETAILS
C9.0	CONSTRUCTION DETAILS

UTILITY CONTACT INFORMATION:

COMMUNICATIONS: CABLEONE, INC. DBA SPARKLIGHT 215 S. MAIN STREET CLINTON, IN 47842 JOSHUA DEWITT: (812)227-5385	FIBER OPTIC: METRO FIBERNETT, LLC 3701 COMMUNICATIONS WAY EVANSVILLE, IN 47715 PHONE: (812)213-1050	ELECTRIC: DUKE ENERGY 100 S MILL CREEK RD NOBLESVILLE, IN 46062 DON MCDUFFY: (317)776-5320	STORM SEWER: PUTNAM COUNTY SURVEYOR'S OFFICE 1 COURTHOUSE SQUARE STREET #43 GREENCASTLE, IN 46135 PHONE: (765)653-5603
COMMUNICATIONS: WINDSTREAM 1450 N. CENTER POINT RD. HIAWATHA, IA 52233 LOCATION DESK: (800)289-1901	FIBER OPTIC: ZAYO BANDWIDTH 722 N. HIGH SCHOOL RD INDIANAPOLIS, IN 46214 WAYLON HIGGINS: (765)341-1199	ELECTRIC: HENDRICKS POWER COOPERATIVE PO BOX 309 DANVILLE, IN 46122 JASON STEWART: (317)745-5473	
WATER: SOUTH 43 WATER ASSN., INC. PO BOX 918 GREENCASTLE, IN 46135 JOE CUSTIS: (795)633-1490	GAS: CENTERPOINT ENERGY (SOUTH) 1800 W. 26TH ST. MUNCIE, IN 47302 JON EASTHAM: (765)287-2119	SANITARY SEWER: CITY OF GREENCASTLE 1 NORTH LOCUST STREET GREENCASTLE, IN 46135 PHONE: (765)653-3100	

REVISIONS		
DATE	DESCRIPTION	BY
1	ADDENDUM #1 06/09/23	RR



CENTRAL ELEMENTARY SCHOOL PARKING LOT
GREENCASTLE, IN

COVER

DRAWN BY EW	JOB NUMBER 2023-046-S
CHECKED BY RR	
DATE JANUARY 29, 2024	
SCALE AS SHOWN	
SHEET	

C1.0
COVER

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Plot Time: 11:14am
Date: Apr 01, 2024
By: rrobinson

File Name: W:\fanning howey\2023-0723-s_fanning howey-central elementary school parking lot\CAD\230719 General Notes.dwg, Layout: C1.1 - GENERAL NOTES, Plot Date: Apr 01, 2024, Plot Time: 11:20am, By: robinson

OVERALL PROJECT GENERAL NOTES:

- 1. SURVEY PREPARED BY: CENTRAL STATES CONSULTING, LLC...
2. CONTRACTOR SHALL PERFORM ALL MAINTENANCE OF TRAFFIC IN ACCORDANCE WITH STATE AND LOCAL STANDARDS...
3. CONTRACTOR SHALL COMPLY WITH ANY AND ALL SAFETY REGULATIONS AND REQUIREMENTS RELATED TO THE PROPOSED WORK...
4. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL BARRICADES, FENCES, WARNING SIGNS, FLASHING LIGHTS...
5. ALL WORK SHALL CONFORM TO FEDERAL, STATE AND LOCAL REGULATIONS.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FEES AND PERMITS REQUIRED FOR WORK.
7. PLANS AND SPECIFICATIONS REFERENCE ARCHITECT, ENGINEER AND LANDSCAPE ARCHITECT INTERCHANGEABLY THROUGHOUT.
8. NO CHANGES SHALL BE MADE TO THE PROPOSED WORK WITHOUT WRITTEN APPROVAL OF ENGINEER.
9. ANY DEVIATIONS OF THE EXISTING CONDITIONS FROM THOSE SHOWN ON THE PLANS THAT AFFECT THE IMPROVEMENTS SHALL BE REPORTED TO THE ENGINEER BEFORE CONSTRUCTION PROCEEDS AT THAT LOCATION.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING SURVEY MONUMENTS. ANY MONUMENT DISTURBED OR DESTROYED DURING CONSTRUCTION ACTIVITY SHALL BE REPLACED BY A LICENSED SURVEYOR.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING BENCHMARKS. IF BENCHMARKS ARE TO BE DISTURBED OR REMOVED AS PART OF THE WORK, CONTRACTOR SHALL HAVE A LICENSED SURVEYOR ESTABLISH ANOTHER BENCHMARK AT A LOCATION OUT OF HARM'S WAY.
12. EXCAVATION AND DISPOSAL OF MATERIAL SHALL BE DONE IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL LAWS, CODES, AND ENVIRONMENTAL REGULATIONS.
13. CONTRACTOR SHALL ADJUST ELEVATION OF ANY SURFACE FEATURE (IRM, GRATE, HYDRANTS, VALVES, HAND HOLES, CASTINGS, IRRIGATION SYSTEM, UTILITY PEDESTALS, ETC.) AS AFFECTED BY NEW CONSTRUCTION OR GRADING.
14. CONTRACTOR SHALL REPAIR OR REPLACE ANY EXISTING SITE AREAS OR IMPROVEMENTS DAMAGED DURING CONSTRUCTION TO AT LEAST THE CONDITION THAT EXISTED BEFORE CONSTRUCTION.
15. COORDINATE WORK ON CIVIL DRAWINGS WITH ARCHITECTURAL, ELECTRICAL, MECHANICAL, PLUMBING, AND STRUCTURAL WORK.

UTILITY GENERAL NOTES:

- 1. NOT ALL UTILITY LINES, WHETHER ABOVE OR BELOW GROUND, HAVE BEEN SHOWN ON THE DRAWINGS. ANY UNDERGROUND INFORMATION SHOWN ON THE DRAWINGS HAS BEEN DETERMINED FROM THE BEST AVAILABLE INFORMATION AND IS GIVEN FOR THE CONTRACTOR'S BENEFIT.
2. CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR PROTECTING ALL UTILITIES IN THE WORK AREA WHETHER SHOWN OR NOT, AND SHALL REALIZE THAT THE ACTUAL LOCATION OF THE UTILITIES MAY BE DIFFERENT FROM THAT SHOWN ON THE DRAWINGS.
3. ANY UTILITIES WHICH CAN BE REMOVED DURING CONSTRUCTION WITHOUT UNDUE INTERRUPTION TO SERVICE MAY BE REMOVED AND REPLACED BY THE CONTRACTOR WITH THE PERMISSION OF THE UTILITY.
4. THE CONTRACTOR SHALL NOTIFY ALL APPROPRIATE UTILITY COMPANIES AT LEAST 48 HOURS PRIOR TO THE COMMENCEMENT OR RESUMPTION OF WORK WHICH COULD DISRUPT THE RESPECTIVE UTILITY SERVICE.
5. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY FOR DIRECTION SHOULD UNCHARTED, INCORRECTLY CHARTED OR OTHER UTILITIES BE ENCOUNTERED DURING CONSTRUCTION.
6. CONTRACTOR SHALL UNCOVER ALL THE-IN AND CROSSING LOCATIONS PRIOR TO ANY UNDERGROUND PIPE INSTALLATION.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE RELOCATION OF ALL EXISTING UTILITIES WHICH ARE IN CONFLICT WITH THE IMPROVEMENTS SHOWN ON THE SITE PLANS.
8. REFER TO BUILDING PLANS FOR ALL INFORMATION REGARDING UTILITY LAYOUT AND DETAILS WITHIN THE BUILDING AND EXTENDING OUT 5- FEET FROM EXTERIOR FACE OF BUILDING.
9. ALL UTILITY MATERIALS AND INSTALLATION SHALL CONFORM TO LOCAL STANDARDS FOR EACH UTILITY AGENCY HAVING JURISDICTION.
10. ALL EXCAVATED TRENCHES UNDER PROPOSED PAVED AREAS, INCLUDING SIDEWALKS, SHALL BE BACKFILLED WITH GRANULAR MATERIAL.
11. CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES AND CONDUITS TO AVOID CONFLICTS AND PROVIDE REQUIRED MINIMUM DEPTHS OF COVER.
12. ALL COORDINATES AND DIMENSIONS ARE TO THE CENTERLINE OF THE UTILITIES AND STRUCTURES.
13. WHERE NECESSARY, UTILITY SERVICE CONDUITS SHALL BE INSTALLED UNDER PAVED AREAS AND BACKFILLED AS SPECIFIED ABOVE.

DEMOLITION NOTES:

- 1. PRIOR TO THE START OF DEMOLITION WORK, CONTRACTOR SHALL OBTAIN ANY PERMITS REQUIRED BY LOCAL, STATE AND FEDERAL AGENCIES HAVING JURISDICTION.
2. UNLESS NOTED OTHERWISE, CONTRACTOR SHALL DEMOLISH AND DISPOSE OF OFF-SITE ALL MATERIALS, STRUCTURES, FENCE, CONCRETE, PAVEMENTS, CURBS AND OTHER MISCELLANEOUS APPURTENANCES WITHIN DISTURBED LIMITS.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING FEATURES TO REMAIN OR WHICH LIE ALONG THE PERMETER OF THE SITE.
4. CLEAR AND GRUB ALL TREES, BRUSH, STUMPS AND OTHER VEGETATION NECESSARY FOR CONSTRUCTION.
5. TREES AND OTHER PLANT MATERIALS TO REMAIN SHALL BE PROTECTED BY TREE FENCE INSTALLED OUTSIDE THE DRIP LINE.
6. DEMOLISH FOUNDATIONS AND OTHER BELOW-GRADE CONSTRUCTION, INCLUDING CONCRETE SLABS, TO A DEPTH OF NOT LESS THAN 48-INCHES BELOW THE LOWEST GRADE/SUBGRADE LEVEL.
7. COMPLETELY FILL BELOW-GRADE AREAS AND VOIDS RESULTING FROM DEMOLITION OF STRUCTURES IN ACCORDANCE WITH THE EARTHWORK NOTES.
8. PROVIDE NEAT, STRAIGHT, VERTICAL SAWCUT AT ALL LOCATIONS WHERE PROPOSED PAVEMENTS, CURBS, ETC. ABUT EXISTING PAVEMENTS, CURBS, ETC. TO REMAIN.
9. UNLESS NOTED OTHERWISE, ALL UNDERGROUND UTILITIES SCHEDULED FOR DEMOLITION SHALL BE COMPLETELY EXCAVATED AND DISPOSED OF OFF-SITE.
10. UNLESS NOTED OTHERWISE, ALL UTILITIES TO BE REMOVED SHALL BE DISCONNECTED AND CAPPED AT THE NEAREST CONNECTION POINT.
11. DEMOLITION ITEMS INCLUDE, BUT ARE NOT LIMITED TO, REMOVAL ITEMS INDICATED ON THE DEMOLITION PLAN.
12. CONDUCT DEMOLITION AND CONSTRUCTION OPERATIONS TO ENSURE MINIMAL INTERFERENCE WITH STREETS, WALKS, AND OTHER ADJACENT OCCUPIED FACILITIES.
13. DO NOT CLOSE OR OBSTRUCT STREETS, WALKS OR OTHER OCCUPIED FACILITIES WITHOUT PERMISSION FROM THE LOCAL AUTHORITIES.
14. ENSURE SAFE PASSAGE OF PERSONS AROUND AREAS OF DEMOLITION AND CONSTRUCTION.
15. PROMPTLY REPAIR DAMAGE TO ADJACENT FACILITIES CAUSED BY DEMOLITION AND CONSTRUCTION OPERATIONS.
16. NO ON-SITE BURNING IS PERMITTED.

SITE IMPROVEMENTS NOTES:

- 1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO THE START OF CONSTRUCTION AND SHALL BE RESPONSIBLE FOR ALL FIELD DIMENSIONS THROUGHOUT CONSTRUCTION.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL REQUIRED CONSTRUCTION LINE AND GRADE TO ENSURE ACCURATE LAYOUT OF SITE IMPROVEMENTS.
3. UNLESS NOTED OTHERWISE, ALL DIMENSIONS ARE REFERENCED TO THE EDGE OF PAVEMENT, EDGE OF SIDEWALK, EDGE OF GUTTER, OR OUTSIDE SURFACE OF FOUNDATION WALL.
4. REFER TO BUILDING PLANS FOR ALL BUILDING DIMENSIONS AND LAYOUT DETAILS.
5. FOLLOWING THE COMPLETION OF ALL UNDERGROUND WORK IN PAVED AREAS, AGGREGATE BASE SHALL BE PLACED AND COMPACTED TO THE THICKNESS INDICATED ON THE APPROPRIATE PAVEMENT DESIGN DETAIL.
6. ASPHALT PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CONSTRUCTION AND MATERIAL GUIDELINES OF THE INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT STANDARD SPECIFICATIONS, LATEST EDITION.
7. THE CONNECTION OF NEW PAVEMENT TO EXISTING PAVEMENT IN THE PARKING LOTS AND DRIVEWAYS SHALL MATCH EXISTING GRADES AND PROFILES.
8. UNLESS NOTED OTHERWISE, ALL PAVEMENT STRIPING WITHIN THE PROJECT SITE SHALL BE 4-INCHES WIDE, PAINTED WITH WHITE LATEX, WATERBORNE EMULSION, LEAD AND CHROMATE FREE, READY MIXED.
9. PORTLAND CEMENT SHALL CONFORM TO THE REQUIREMENTS OF ASTM C-150. ONLY ONE BRAND AND MANUFACTURER OF APPROVED CEMENT SHALL BE USED.
10. REINFORCING STEEL SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-615, GRADE 60, WELDED WIRE FABRIC OR WIRE MESH SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-185.
11. ALL CONCRETE USED SHALL BE CLASS A STRUCTURAL CONCRETE WITH A 28-DAY COMPRESSIVE STRENGTH OF 4,000 PSI.
12. FORMS SHALL BE CONSTRUCTED OF WOOD, PLYWOOD, STEEL, OR OTHER APPROVED MATERIALS AND SHALL BE MORTAR TIGHT.
13. ALL CONCRETE SHALL BE PLACED IN ACCORDANCE WITH ACI 304. FORMED CONCRETE SHALL BE UNIFORMLY CONSOLIDATED USING A MECHANICAL VIBRATOR.
14. CONCRETE SAW CUTTING SHALL BE DONE AS SOON AS POURED CONCRETE HAS CURED AND CAN SUPPORT WEIGHT.
15. ALL CONSTRUCTION JOINTS SHALL BE SAWN, CLEANED OF DEBRIS, BLOWN DRY AND IMMEDIATELY SEALED WITH THE APPROPRIATE SEALANT.
16. ALL SIDEWALKS SHALL COMPLY WITH AMERICAN WITH DISABILITIES ACT (ADA) STANDARDS.

EARTHWORK NOTES:

- 1. EARTHWORK SHALL BE COMPLETED IN ACCORDANCE WITH INDIANA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.
2. THE CONTRACTOR SHALL EMPLOY A QUALIFIED GEOTECHNICAL ENGINEER FOR THIS PROJECT.
3. TOPSOIL SHALL BE STRIPPED AND STOCKPILED FOR USE DURING FINISH GRADING AND LANDSCAPE WORK.
4. ALL COMPACTED FILL AND BACKFILL MATERIAL SHALL BE SATISFACTORY MATERIAL APPROVED BY THE GEOTECHNICAL ENGINEER.
5. IN-PLACE DENSITY TESTS SHALL BE PERFORMED THROUGHOUT THE BUILDING FILL EMBANKMENTS.
6. UPON REACHING SUBGRADE ELEVATION IN AREAS THAT HAVE BEEN FILLED AND COMPACTED, OR IN AREAS WHERE THE PAVEMENT SUBGRADE ELEVATIONS ARE ACHIEVED WITHOUT FILL OPERATIONS.
7. EXCAVATE FOR STRUCTURES TO WITHIN 0.1 FOOT OF THE DESIGN ELEVATIONS AND DIMENSIONS.
8. BACKFILL MATERIAL SHALL MEET THE REQUIREMENTS OF AND SHALL BE COMPACTED ACCORDING TO THE EARTHWORK NOTES.
9. DUE TO SITE CONSTRAINTS, THE EARTHWORK FOR THE SITE AS DESIGNED MAY OR MAY NOT BE BALANCED.
10. CONTRACTOR SHALL TAKE PARTICULAR CARE WHEN GRADING IN AND AROUND EXISTING UTILITY LINES AND EQUIPMENT.

GRADING NOTES:

- 1. CONTRACTOR SHALL TAKE PARTICULAR CARE WHEN GRADING IN AND AROUND EXISTING UTILITY LINES AND EQUIPMENT.
2. CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES 48-HOURS BEFORE SITE GRADING IS TO START.
3. CONTRACTOR SHALL ADJUST ALL EXISTING SURFACE INFRASTRUCTURE (HYDRANTS, VALVES, HANDHOLES, CASTINGS, IRRIGATION SYSTEM, UTILITY PEDESTALS, ETC.) AS REQUIRED TO MEET PROPOSED GRADE.
4. FOLLOWING THE COMPLETION OF SITE GRADING AND SUBSURFACE UTILITY INSTALLATION, TOPSOIL SHALL BE PLACED IN AREAS DESIGNATED FOR SEEDING, SOODING, AND LANDSCAPING TO A MINIMUM DEPTH OF 6 INCHES.
5. PROVIDE POSITIVE DRAINAGE WITHOUT PONDING IN ALL AREAS.
6. ALL PROPOSED SPOT ELEVATIONS OR CONTOURS ARE THE FINAL PAVEMENT AND FINAL GRADE ELEVATIONS.
7. SEE APPROPRIATE DETAILS TO DETERMINE SUBGRADE ELEVATIONS BELOW FINISH GRADE ELEVATIONS INDICATED.
8. CONTRACTOR SHALL PERPETUATE ANY SUBSURFACE DRAIN TILES OR PIPES ENCOUNTERED DURING CONSTRUCTION.

WATER SYSTEM NOTES:

- 1. ALL WATER LINES SHALL BE CONSTRUCTED IN SOUTH 43 WATER ASSOCIATION, INC TYPICAL CONSTRUCTION STANDARDS.
2. THE CONTRACTOR SHALL FURNISH, INSTALL AND TEST ALL GATE VALVES.
3. WATER MAINS AND SERVICE LINES SHALL HAVE A MINIMUM OF 3'-0" OF COVER OVER TOP OF THE PIPE.
4. CONTRACTOR SHALL PERFORM ALL OF THE WORK ASSOCIATED WITH CONNECTIONS TO THE EXISTING FACILITIES.
5. THE COMPLETED WATER LINE SHALL BE TESTED AND DISINFECTED IN ACCORDANCE WITH SOUTH 43 WATER ASSOCIATION, INC REQUIREMENTS.
6. IN THE EVENT OF A CONFLICT BETWEEN WATER LINES AND STORM OR SANITARY SEWERS, CONTRACTOR SHALL EITHER ADJUST THE WATER LINE IN SUCH A MANNER SO THAT THE PIPE MANUFACTURER'S RECOMMENDATIONS ON PIPE DEFLECTION AND JOINT STRESS ARE NOT EXCEEDED.

SANITARY SEWER NOTES:

- 1. SANITARY SEWER MAINS, LATERALS AND ALL OTHER SANITARY SEWER APERTURES SHALL BE IN ACCORDANCE WITH CITY OF GREENCASTLE SANITATION DISTRICT TYPICAL CONSTRUCTION STANDARDS.
2. SANITARY SEWERS SHALL BE CONSTRUCTED OF POLYVINYL CHLORIDE (PVC) SDR-35 PIPE.
3. SANITARY SEWER BUILDING SERVICES SHALL BE 6-INCH DIAMETER PVC SDR-35 CONFORMING TO ASTM D-3034.
4. A MINIMUM OF 18" VERTICAL SEPARATION AND 10'-0" HORIZONTAL SEPARATION TO BE MAINTAINED BETWEEN THE OUTSIDE WALLS OF WATER MAINS, HYDRANTS AND SEWERS.
5. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION AND THE PIPE INVERT DEPTH WHERE THE PROPOSED CONNECTION IS MADE.
6. ALL GRAVITY SEWERS AND ACCESSORIES SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321-89.
7. A DEFLECTION TEST SHALL BE PERFORMED ON EACH FLEXIBLE PIPE FOLLOWING THE ELAPSE OF THIRTY (30) DAYS AFTER THE PLACEMENT OF THE FINAL BACKFILL.
8. ALL GRAVITY SEWER PIPE SHALL BE TESTED USING ONE (1) OF THE FOLLOWING LEAKAGE TEST TYPES:
9. MANHOLES MUST BE AIR TESTED IN ACCORDANCE WITH ASTM C1244-93.

STORM SEWER NOTES:

- 1. CONSTRUCTION OF STORM DRAINS SHALL BE IN ACCORDANCE WITH THE PUTNAM COUNTY SURVEYOR'S OFFICE TYPICAL CONSTRUCTION STANDARDS.
2. ALL MAIN LINE STORM SEWER PIPE SHALL BE CONSTRUCTED OF HIGH DENSITY POLYETHYLENE (HDPE) PIPE.
3. A MINIMUM OF 18" VERTICAL SEPARATION AND 10'-0" HORIZONTAL SEPARATION TO BE MAINTAINED BETWEEN THE OUTSIDE WALLS OF WATER MAINS, HYDRANTS AND SEWERS.
4. INLETS, JUNCTION BOXES AND MANHOLES MUST BE SIZED PROPERLY TO ACCOMMODATE THE PROPOSED PIPE SIZES.
5. PIPE LENGTHS SHOWN ON THE DRAWINGS ARE FOR HYDRAULIC CALCULATION PURPOSES ONLY.

EROSION CONTROL NOTES:

- 1. ALL PROPOSED EROSION AND SEDIMENT CONTROL SHALL BE IN ACCORDANCE WITH PUTNAM COUNTY SURVEYOR'S OFFICE STANDARDS.
2. PERIMETER EROSION PREVENTION AND SEDIMENT CONTROL MEASURES SHALL BE IN PLACE PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY COMMENCING.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR SOIL AND EROSION CONTROL AND DUST CONTROL MEASURES PRIOR TO AND DURING CONSTRUCTION.
4. THE EROSION CONTROL PLAN SHALL NOT BE CONSIDERED ALL INCLUSIVE.
5. ALL CLEARING, DEMOLITION, EARTHWORK AND GRADING SHALL BE DONE IN A WAY THAT WILL MINIMIZE EROSION.
6. SEDIMENT LADEN WATER SHALL BE DETAINED BY EROSION CONTROL PRACTICES AS NEEDED TO MINIMIZE SEDIMENTATION.
7. WASTE AND UNUSED BUILDING MATERIALS SHALL NOT BE ALLOWED TO BE CARRIED FROM THE SITE BY STORM WATER RUNOFF.
8. ACTIONS MUST BE TAKEN TO MINIMIZE THE TRACKING OF MUD AND SOIL FROM CONSTRUCTION AREAS ONTO PUBLIC ROADWAYS.
9. SOIL WHICH HAS ACCUMULATED NEXT TO EROSION CONTROL DEVICES SHALL BE COLLECTED AND RE-DISTRIBUTED ON SITE.
10. PIPE ENDS SHALL BE COVERED WITH FILTER FABRIC.
11. WHERE CONSTRUCTION OR LAND DISTURBANCE ACTIVITY WILL OR HAS TEMPORARILY CEASED ON ANY PORTION OF THE SITE.
12. TOPSOIL REPLACEMENT SHALL TAKE PLACE FROM MARCH 1 TO OCTOBER 31.
13. SOIL STOCKPILES SHALL BE LOCATED AWAY FROM STREAMS, PONDS, SWALES, AND CATCH BASINS.
14. INSTALL INLET PROTECTION ON STORM INLETS IMMEDIATELY UPON COMPLETION OF THE STRUCTURE.
15. DETENTION BASINS, IF APPLICABLE, SHALL BE CONSTRUCTED FIRST AND SHALL PERFORM AS SEDIMENT BASINS.
16. PRIOR TO COMPLETION OF THE PROJECT, CONTRACTOR SHALL CLEAN OUT ALL STORM DRAINAGE STRUCTURES.
17. CONTRACTOR SHALL REMOVE ALL EROSION PREVENTION AND SEDIMENT CONTROL MEASURES ONCE CONSTRUCTION IS COMPLETE.

Table with 3 columns: NUMBER, DESCRIPTION & DATE, BY. Row 1: 1, ADDENDUM #1 06/09/23, RR.



CENTRAL ELEMENTARY SCHOOL PARKING LOT GREENCASTLE, IN GENERAL NOTES

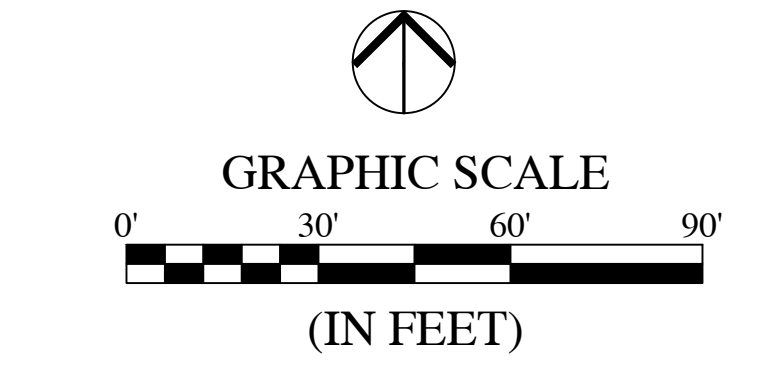


Drawn By: Ryan A. Robinson

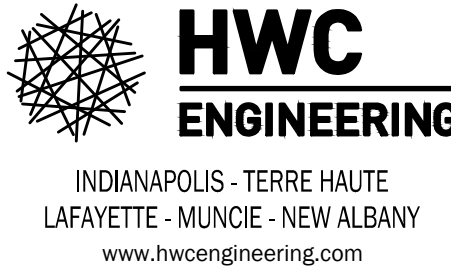
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C1.1 GENERAL NOTES

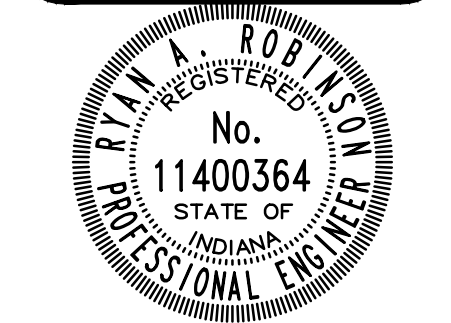
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REVISIONS		
NUMBER	DESCRIPTION & DATE	BY
1	ADDENDUM #1 06/09/23	RR

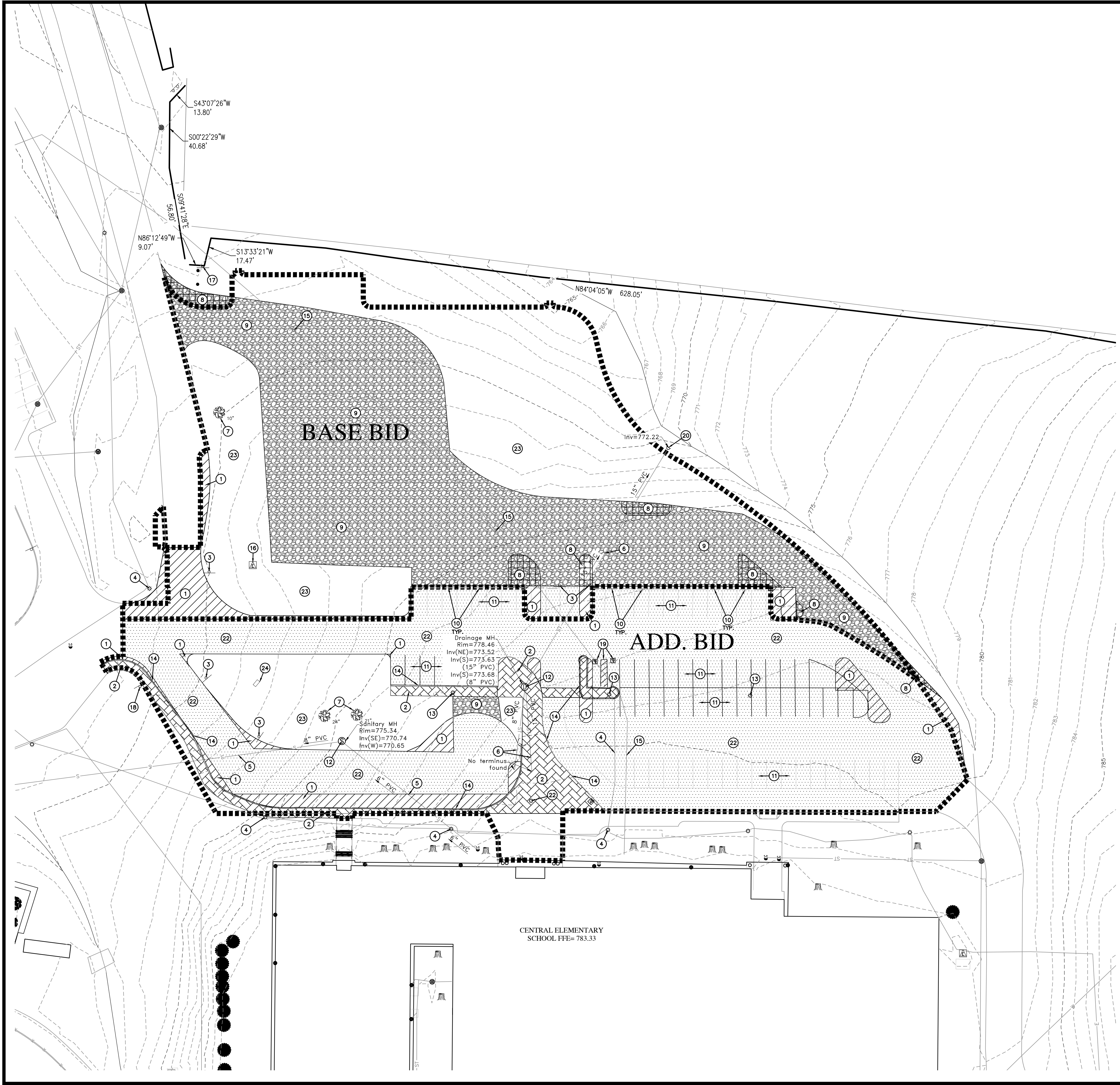


**CENTRAL ELEMENTARY SCHOOL PARKING LOT
 GREENCASTLE, IN
 EXISTING CONDITIONS AND
 DEMOLITION PLAN**



DRAWN BY
 EW
 CHECKED BY
 RR
 DATE
 JANUARY 29, 2024
 SCALE
 AS SHOWN
 SHEET

C2.0
 EXISTING CONDITIONS AND
 DEMOLITION PLAN



LEGEND:

- MONUMENT - BENCHMARK
- MONUMENT - CAPPED REBAR
- MONUMENT - CENTERLINE MON.
- ⊗ MONUMENT - CONCRETE MON./POST
- ✦ MONUMENT - CUT X
- MONUMENT - MAG NAIL/PK NAIL
- MONUMENT - REBAR/PIN/PIPE (NO CAP)
- △ MONUMENT - SECTION CORNER
- SITE - A/C UNIT
- ⌘ SITE - ANTENNA
- SITE - BOLLARD
- SITE - POST, FENCE POST
- ⊙ SITE - FLAG POLE
- Ⓜ SITE - MAILBOX
- SITE - MISC. OBJECT (SEE LABEL)
- SITE - PARKING METER
- Ⓜ SITE - RAILROAD SIGNAL/GATE
- Ⓜ SITE - SATELLITE DISH
- Ⓜ SITE - SIGN
- Ⓜ SITE - SOIL BORING
- TREE - CONIFEROUS
- TREE - DECIDUOUS
- TREE - MULTI-TRUNK
- SHRUB
- QUADRIL
- E — ELECTRIC (UNDERGROUND)
- T — TELEPHONE (UNDERGROUND)
- W — WATERLINE (UNDERGROUND)
- FO — FIBER OPTIC (UNDERGROUND)
- G — GAS (UNDERGROUND)
- ST — STORM SEWER
- S — SANITARY SEWER
- OHE — OVERHEAD UTILITY (ELECTRIC/FIBER)
- FLOWLINE
- CONCRETE TO BE REMOVED, FULL DEPTH
- ▨ ASPHALT TO BE REMOVED, FULL DEPTH
- ▩ GRAVEL TO BE REMOVED, FULL DEPTH
- ▨ ASPHALT TO BE MILLED, 1.5-INCH DEPTH.
- ▩ GRAVEL TO BE REMOVED, FULL DEPTH
- CABLE PEDESTAL
- Ⓜ CABLE MARKER POST
- Ⓜ ELECTRIC ACCESS COVER
- Ⓜ ELECTRIC MANHOLE
- Ⓜ ELECTRIC MARKER POST
- Ⓜ ELECTRIC METER
- Ⓜ ELECTRIC PANEL/PEDESTAL
- Ⓜ ELECTRIC TRANSFORMER
- Ⓜ FIBER OPTIC ACCESS/MANHOLE
- Ⓜ FIBER OPTIC MARKER POST
- Ⓜ GAS ACCESS/MANHOLE
- Ⓜ GAS MARKER POST
- Ⓜ GAS METER
- Ⓜ GAS VALVE
- Ⓜ LIGHT POLE/AREA LIGHT
- Ⓜ SANITARY MANHOLE
- Ⓜ SEWER CLEANOUT
- Ⓜ STORM INLET - BEEHIVE/ROUND
- Ⓜ STORM INLET - CURB/SQUARE
- Ⓜ STORM MANHOLE
- Ⓜ STORM PIPE END SECTION
- Ⓜ TELEPHONE MANHOLE
- Ⓜ TELEPHONE MARKER POST
- Ⓜ TELEPHONE PANEL/PEDESTAL
- Ⓜ TRAFFIC CONTROL BOX
- Ⓜ TRAFFIC MANHOLE
- Ⓜ TRAFFIC SIGNAL POLE
- Ⓜ UTILITY POLE
- Ⓜ UTILITY POLE GUY ANCHOR
- Ⓜ RISER POLE
- Ⓜ WATER HYDRANT
- Ⓜ WATER IRRIGATION VALVE
- Ⓜ WATER MANHOLE/VAULT
- Ⓜ WATER MARKER POST
- Ⓜ WATER METER
- Ⓜ WATER POST INDICATOR VALVE
- Ⓜ WATER VALVE
- Ⓜ WATER WELL/MONITORING WELL
- Ⓜ TREE - STUMP

DEMOLITION KEYNOTES:

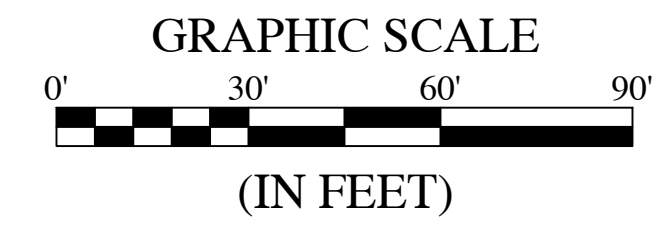
1. EXISTING ASPHALT TO BE REMOVED FULL DEPTH.
2. SIDEWALK TO BE REMOVED FULL DEPTH.
3. SIGN TO BE REMOVED AND/OR RELOCATED. SEE SHEET C3.0 FOR PROPOSED LOCATION.
4. ELECTRIC LINE/STRUCTURE TO REMAIN DURING CONSTRUCTION.
5. SANITARY SEWER LINE TO REMAIN DURING CONSTRUCTION.
6. STORM SEWER PIPE TO REMAIN DURING CONSTRUCTION.
7. TREES TO BE REMOVED.
8. GRAVEL PARKING TO BE REMOVED FULL DEPTH.
9. CONTRACTOR TO CONFIRM WHETHER EXISTING GRAVEL DEPTH IS SUFFICIENT FOR PROPOSED PAVEMENT SECTION(S) AFTER FINAL GRADE IS ACHIEVED. IF EXISTING GRAVEL MEETS PAVEMENT SECTION DETAILS AND SPECIFICATIONS, CONTRACTOR CAN USE FOR PROPOSED DEVELOPMENT.
10. CONCRETE BUMPERS TO BE REMOVED.
11. ALL PARKING STRIPING TO BE REMOVED.
12. EXISTING STRUCTURE TO REMAIN DURING CONSTRUCTION. ADJUST STRUCTURE AND CASTING TO PROPOSED GRADE.
13. EXISTING LIGHT POLE TO BE REMOVED/ RELOCATED. REFER TO ELECTRIC PLANS FOR PROPOSED LIGHTS/ LOCATIONS.
14. EXISTING CURB TO BE REMOVED.
15. EXISTING WATER LINE TO REMAIN DURING CONSTRUCTION.
16. EXISTING ELECTRICAL STRUCTURE TO REMAIN IN PLACE AND PROTECTED DURING CONSTRUCTION.
17. EXISTING POST TO REMAIN AND BE PROTECTED DURING CONSTRUCTION.
18. EXISTING SIGN TO BE REMAIN AND BE PROTECTED DURING CONSTRUCTION.
19. EXISTING HANDICAP PARKING SYMBOLS AND STRIPING TO BE REMOVED.
20. EXISTING END SECTION TO BE ADJUSTED TO PROPOSED GRADE.
21. EXISTING FLAG POLE TO BE REMOVED/ RELOCATED. SEE SHEET C3.0 FOR PROPOSED LOCATION.
22. EXISTING ASPHALT TO BE REMOVED, 1.5-INCH DEPTH.
23. EXISTING GRASS AREA TO BE REMOVED AND GRADED TO COMPACTION REQUIREMENTS FOR ASPHALT PAVEMENT.
24. SCHOOL SIGN TO BE REMOVED AND RELOCATED. SEE SHEET C3.0 FOR PROPOSED LOCATION.

CENTRAL ELEMENTARY SCHOOL FFE= 783.33

File Name: W:\fanning howey\2023-0719-s fanning howey-central elementary school parking lot improvements Plan.dwg, Layout: C3.0 SITE PLAN
 Plot Time: 11:29am
 Apr 01, 2024
 By: robinson

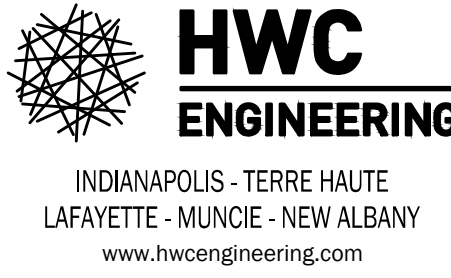


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REVISIONS

NUMBER	DESCRIPTION & DATE	BY
1	ADDENDUM #1 06/09/23	RR

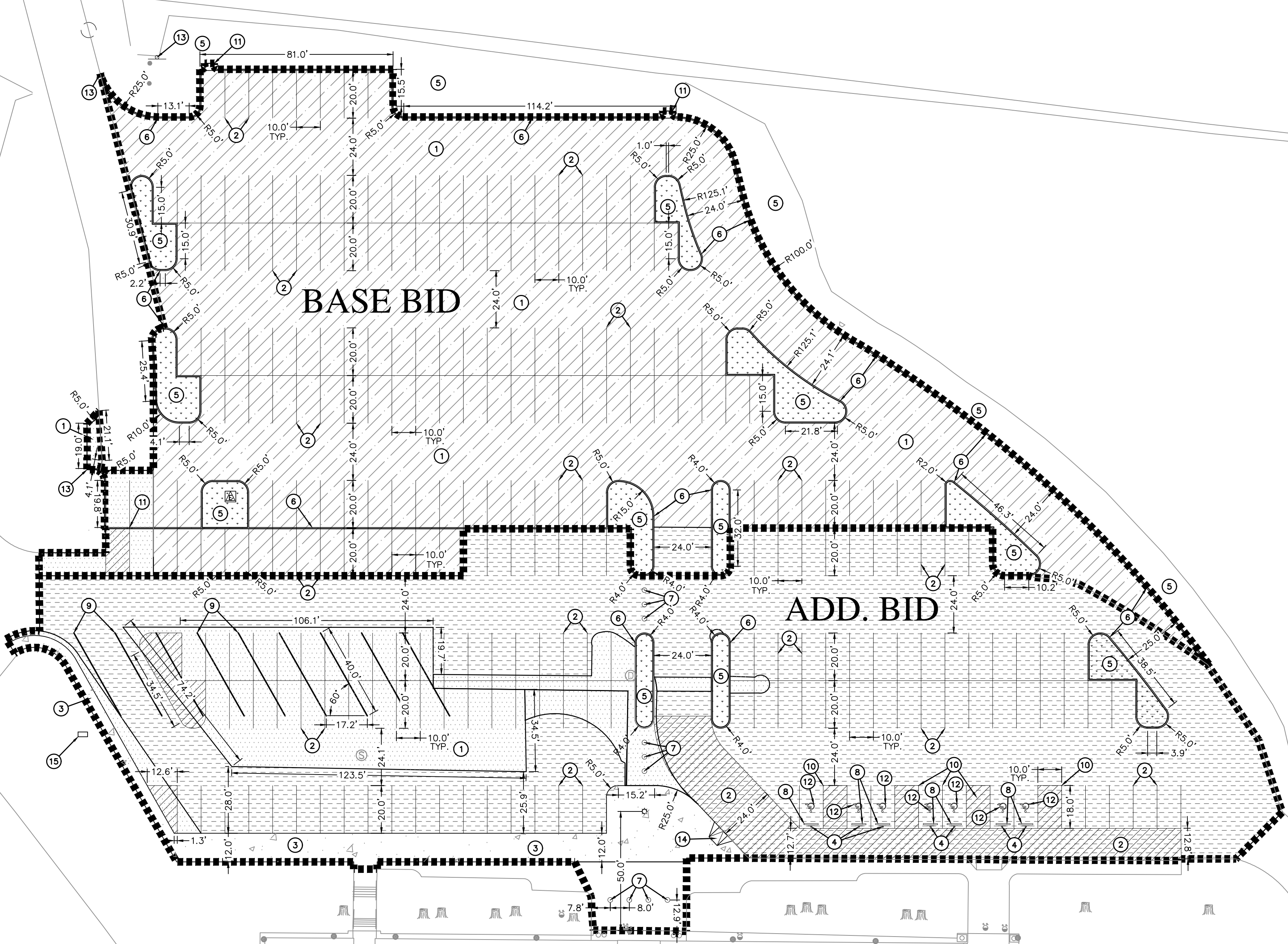


LEGEND

EXISTING	PROPOSED
	PROPERTY LINE
	EASEMENT LINE
	BUILDING SETBACK LINE
	SWALE
	OVERHEAD ELECTRIC LINE
	SANITARY MANHOLE
	STORM MANHOLE
	STORM INLET
	FIRE HYDRANT
	FIRE DEPT. CONNECTION
	BENCHMARK
	WATER VALVE
	GAS VALVE
	CLEAN OUT
	ELECTRIC METER
	TRAFFIC HANDHOLE
	TELEPHONE MANHOLE
	TREE
	MONUMENT
	LIGHT POLE
	SIGN
	UTILITY POLE
	TRAFFIC LIGHT POLE
	GUY ANCHOR
	R/W RIGHT-OF-WAY
	CONCRETE SIDEWALK/PAD
	REGULAR DUTY ASPHALT PAVEMENT
	CONTRACTOR TO BID AS REGULAR DUTY ASPHALT PAVEMENT. PROVIDE ALTERNATE PRICE FOR CONCRETE PAVEMENT.
	1.5-INCH ASPHALT SURFACE CLASS 1

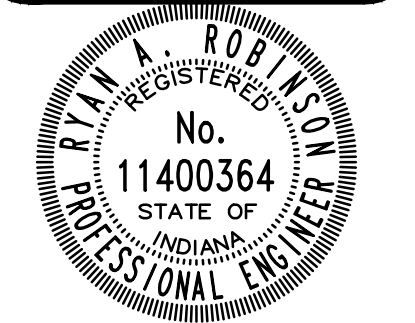
SITE IMPROVEMENT KEYNOTES:

1. REGULAR DUTY ASPHALT PAVEMENT.
2. 4-INCH WIDE, YELLOW, PAVEMENT STRIPING.
3. INTEGRAL CURB AND SIDEWALK.
4. ACCESSIBLE PARKING SIGN.
5. LANDSCAPE AREA.
6. 6-INCH CONCRETE CURB.
7. REMOVABLE BOLLARDS PLACED 6-FT O.C. ACROSS DRIVE AISLE.
8. CONCRETE PARKING BUMPERS.
9. 4-INCH WIDE, WHITE, PAVEMENT STRIPING.
10. 4-INCH WIDE, BLUE, ADA ACCESSIBLE PARKING STRIPING.
11. 2-FT WIDE, CURB OPENING TO ALLOW FOR STORMWATER RUNOFF TO DRAIN NORTHWEST.
12. ADA HANDICAP PARKING MARKINGS.
13. RELOCATED SIGN.
14. ADA CURB RAMP.
15. RELOCATED SCHOOL SIGN. PROVIDE 2-FT X 4-FT LONG X 3-FT DEEP CONCRETE FOUNDATION BASE WITH IMBEDDED ANCHORS SIMILAR TO EXISTING LAYOUT AND SIZE.



CENTRAL ELEMENTARY SCHOOL FFE= 783.33

**CENTRAL ELEMENTARY SCHOOL PARKING LOT
 GREENCASTLE, IN
 SITE IMPROVEMENT PLAN**



Ryan A. Robinson

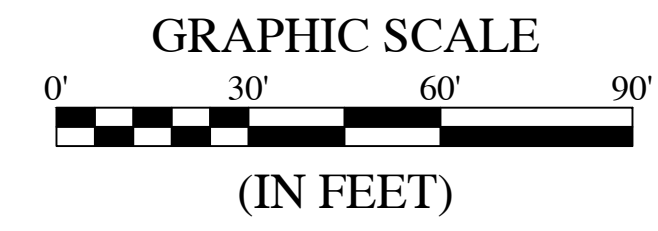
DRAWN BY EW	JOB NUMBER 2023-046-S
CHECKED BY RR	
DATE JANUARY 29, 2024	
SCALE AS SHOWN	
SHEET	

**C3.0
 SITE IMPROVEMENT PLAN**

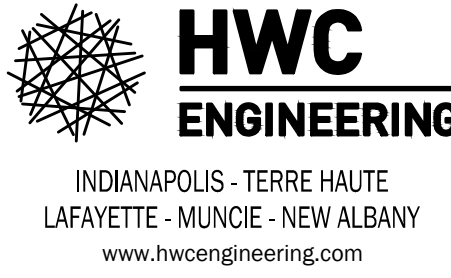
File Name: W:\farming hoves\2023-0719-s farming hovey-central elementary school parking lot\Design\CAD\23079.Grading and Drainage Plan.dwg, Layout: C4.0 GRADING AND DRAINAGE By: robinson Plot Time: 11:19am Plot Date: Apr 01, 2024



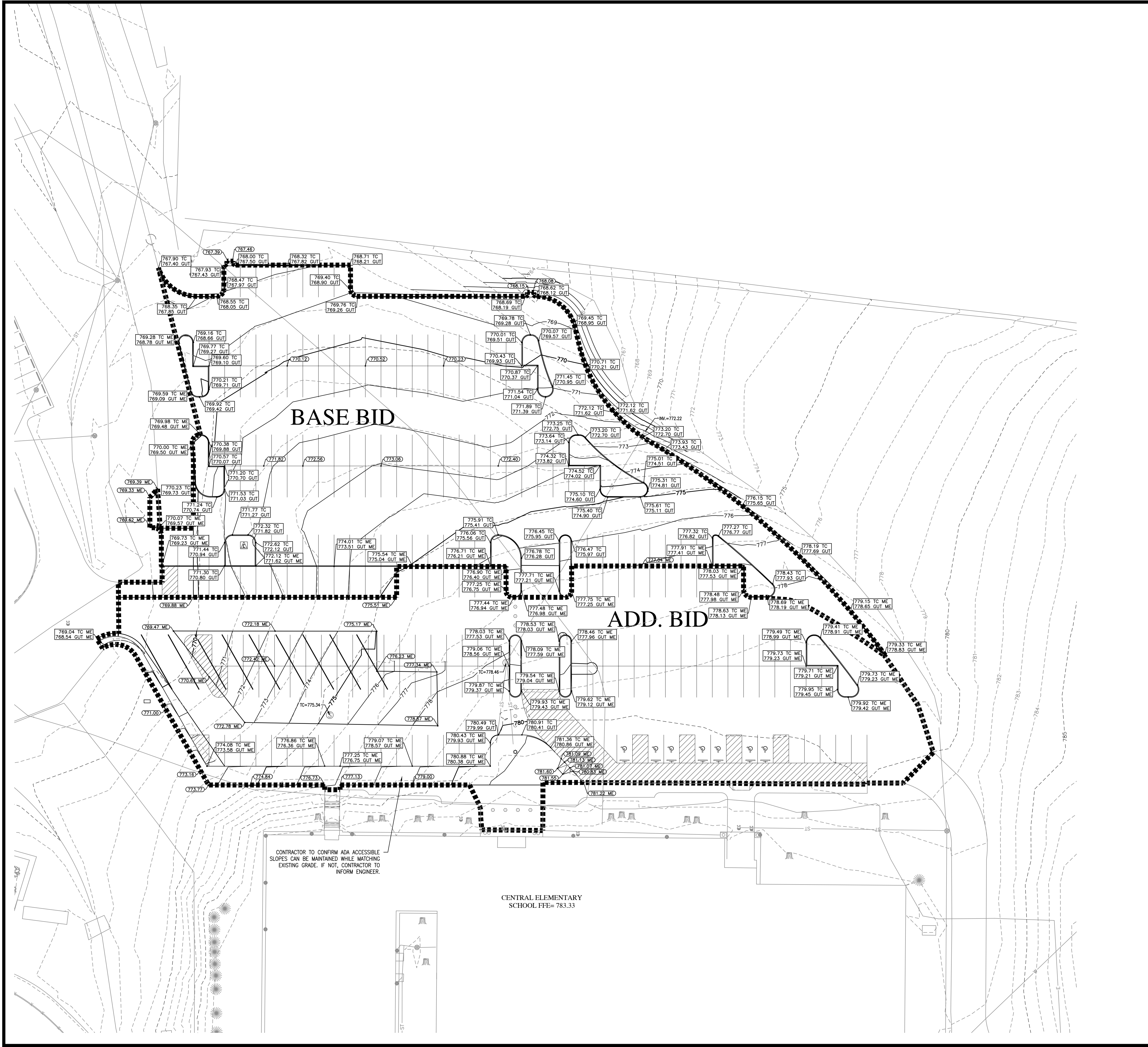
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REVISIONS		
NUMBER	DESCRIPTION & DATE	BY
1	ADDENDUM #1 06/09/23	RR



LEGEND:		PROPOSED
---	PROPERTY LINE	---
---	EASEMENT LINE	---
---	SETBACK LINE	---
---	SWALE / FLOWLINE	---
o-o-o	OVERHEAD ELECTRIC LINE	o-o-o
---	CONTOUR, MAJOR	---
---	CONTOUR, MINOR	---
---	SANITARY SEWER	---
---	STORM SEWER	---
⊙	SANITARY MANHOLE	⊙
⊙	STORM MANHOLE	⊙
⊙	STORM INLET	⊙
⊙	FIRE HYDRANT	⊙
N/A	FLOW ARROW	↑
N/A	SPOT ELEVATION	XXXX
N/A	PAVEMENT ELEVATION	XXXX
+	TOP OF CURB	XXXX
+	GUTTER	XXXX
+	BENCHMARK	+
+	WATER VALVE	+
+	WATER METER	+
+	GAS VALVE	+
+	CLEAN OUT	+
+	MONUMENT	+
+	LIGHT POLE	+
+	SIGN	+
+	ELECTRIC RISER	+
+	TELEPHONE RISER	+
+	UTILITY POLE	+
+	GUY ANCHOR	+
FL	FLOW LINE	FL
ME	MATCH EXISTING GRADE	ME
FFE	FINISHED FLOOR ELEVATION	FFE
NP	NORMAL POOL (ELEVATION)	NP
TB	TOP OF BANK GRADE (ELEVATION)	TB
TC	TOP OF CASTING GRADE / TOP OF CURB	TC
R/W	RIGHT-OF-WAY	R/W
---	STORM INLET DRAINAGE AREA	---



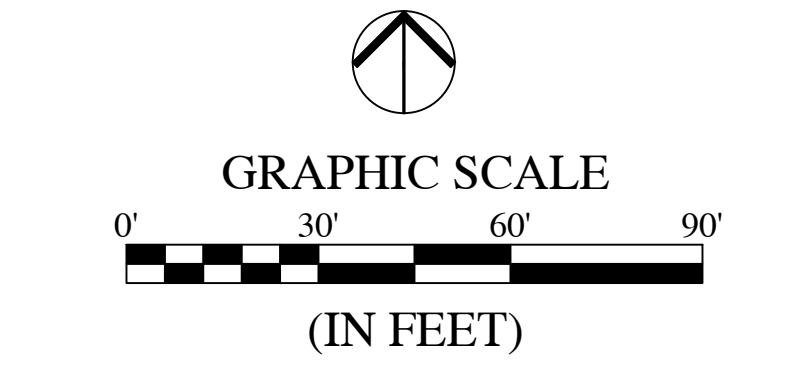
CONTRACTOR TO CONFIRM ADA ACCESSIBLE SLOPES CAN BE MAINTAINED WHILE MATCHING EXISTING GRADE. IF NOT, CONTRACTOR TO INFORM ENGINEER.

CENTRAL ELEMENTARY SCHOOL PARKING LOT
GREENCASTLE, IN
GRADING AND DRAINAGE PLAN

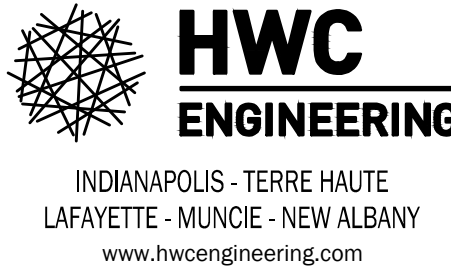


Drawn by: Ryan A. Robinson

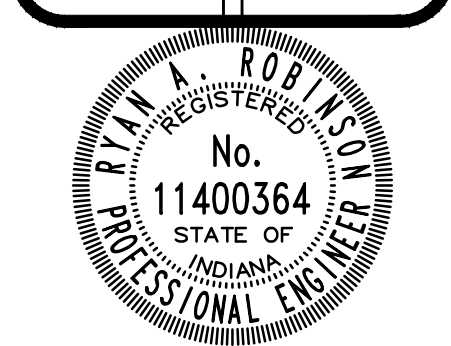
DRAWN BY EW	JOB NUMBER 2023-046-S
CHECKED BY CJ	
DATE JANUARY 29, 2024	SHEET
SCALE AS SHOWN	
C4.0	
GRADING AND DRAINAGE PLAN	



REVISIONS		
NUMBER	DESCRIPTION & DATE	BY
1	ADDENDUM #1 06/09/23	RR



**CENTRAL ELEMENTARY SCHOOL PARKING LOT
STORMWATER POLLUTION
PREVENTION PLAN**



DRAWN BY
EW
CHECKED BY
RR
DATE
JANUARY 29, 2024
SCALE
AS SHOWN
SHEET

JOB NUMBER
2023-046-S

C8.0

STORMWATER POLLUTION
PREVENTION PLAN

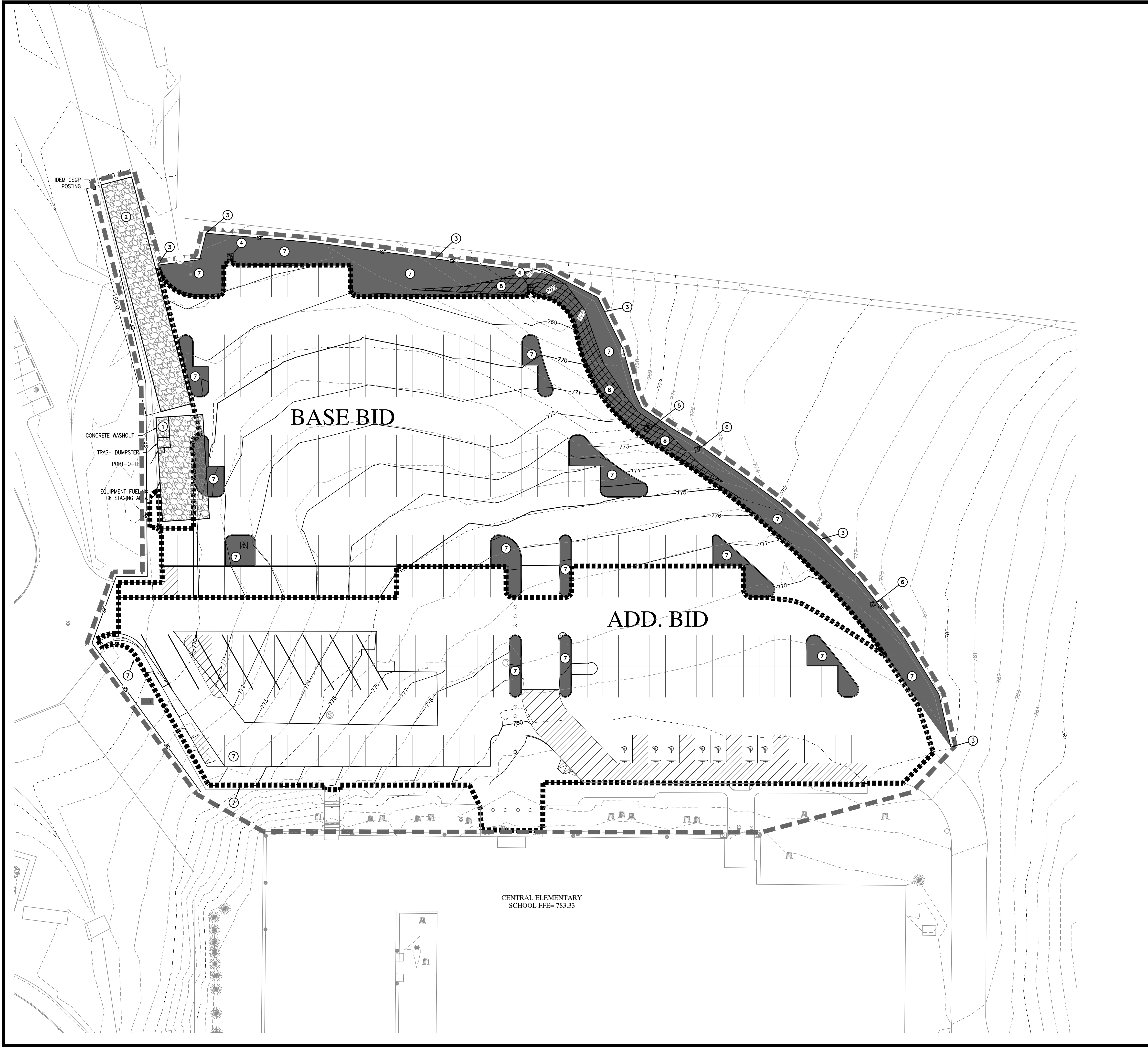
LEGEND:

EXISTING		PROPOSED
---	PROPERTY LINE	---
---	EASEMENT LINE	---
---	SETBACK LINE	---
o-o-o-o	SWALE / FLOWLINE	o-o-o-o
-o-h-e-	OVERHEAD ELECTRIC LINE	
---800---	CONTOUR, MAJOR	---800---
---799---	CONTOUR, MINOR	---799---
S	SANITARY SEWER	S
ST	STORM SEWER	ST
(S)	SANITARY MANHOLE	(S)
(S)	STORM MANHOLE	(S)
(S)	STORM INLET	(S)
(S)	FIRE HYDRANT	(S)
N/A	FLOW ARROW	↑
N/A	SPOT ELEVATION	XXXX
N/A	PAVEMENT ELEVATION	XXXX
	TOP OF CURB	XXXX
	GUTTER	XXXX
	BENCHMARK	+
	WATER VALVE	+
	WATER METER	+
	GAS VALVE	+
	CLEAN OUT	+
	MONUMENT	+
	LIGHT POLE	+
	ELECTRIC RISER	+
	TELEPHONE RISER	+
	UTILITY POLE	+
	GUY ANCHOR	+
FL	FLOW LINE	FL
ME	MATCH EXISTING GRADE	ME
FFE	FINISHED FLOOR ELEVATION	FFE
NP	NORMAL POOL (ELEVATION)	NP
TB	TOP OF BANK GRADE (ELEVATION)	TB
TC	TOP OF CASTING GRADE / TOP OF CURB	TC
R/W	RIGHT-OF-WAY	R/W
---	CONSTRUCTION LIMITS	---
SF	SILT FENCE	SF
---	TEMPORARY CONSTRUCTION ENTRANCE	---
□	INLET PROTECTION	□
---	RIP-RAP (FOR CHECK DAMS, END SECTION, CURB OUTLET)	---
---	SEEDING	---
---	EROSION CONTROL BLANKET	---

SWPPP KEYNOTES:

1. CONCRETE WASHOUT.
2. TEMPORARY CONSTRUCTION ENTRANCE.
3. SILT FENCE.
4. RIP-RAP FOR CURB OUTLET.
5. RIP-RAP FOR END SECTION.
6. RIP-RAP ROCK CHECK DAM.
7. PERMANENT SEEDING.
8. EROSION CONTROL BLANKET.

**THIS SHEET TO BE USED FOR
EROSION CONTROL ONLY.**



CENTRAL ELEMENTARY
SCHOOL FFE= 783.33

BASE BID

ADD. BID

CONCRETE WASHOUT
TRASH DUMPSTER
PORT-O-LET
EQUIPMENT FUELING
& STAGING AREA

IDEM CSCP
POSTING

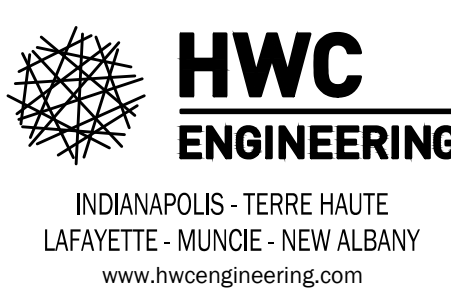
File Name: W:\Fanning Hwy\2023-07B-S Fanning Hwy-Central Elementary School Parking Lot\Design CAD\230729_Stormwater Pollution Prevention Notes.dwg, Layout: C8.1 - SWPP NOTES, Plot Time: 8:43am, Plot Date: Feb 12, 2024, By: atbompsan

Table with 3 columns: Item ID, Description, and Notes/References. Includes items A1 through B11, covering topics like Plan Index, Vicinity Map, Project Type, Latitude/Longitude, Legal Description, Floodplains, Adjacent Land Uses, Receiving Waters, Discharges, Soils Map, Wetlands, State/Federal Permits, Topography, Stormwater System, Pollution Sources, Construction Entrances, Stabilization, Sediment Control, Runoff Control, Outlet Protection, Stabilization Structures, Decontamination, and Maintenance Guidelines.

B13 N/A
B14 MATERIAL HANDLING AND SPILL PREVENTION PLAN
MATERIAL HANDLING:
1. THE PROPER MANAGEMENT AND DISPOSAL OF WASTE SHOULD BE PRACTICED ON SITE AT ALL TIMES TO REDUCE POLLUTION FROM STORM WATER RUNOFF. HAZARDOUS WASTE SHOULD ALWAYS BE DISPOSED OF THROUGH A DESIGNATED HAZARDOUS WASTE MANAGEMENT OR RECYCLING FACILITY.
2. DESIGNATE A WASTE COLLECTION AREA ON-SITE THAT DOES NOT RECEIVE A SUBSTANTIAL AMOUNT OF RUNOFF FROM UPLAND AREAS AND DOES NOT DRAIN DIRECTLY INTO A BODY OF WATER.
3. KEEP PRODUCTS IN ORIGINAL CONTAINERS WITH ORIGINAL LABELS AND MATERIAL SAFETY DATA INFORMATION ATTACHED. MAKE SURE PRODUCTS ARE PROPERLY SEALED TO PREVENT LEAKS AND SPILLS AND STORED IN A WEATHER PROOF SELF CONTAINED AREA AWAY FROM HEAT, SPARKS AND FLAMES.
4. A PROGRAM FOR RECYCLING OR DISPOSAL OF MATERIALS ASSOCIATED WITH OR FROM THE PROJECT SITE SHALL BE ESTABLISHED BY THE CONTRACTOR. ALL RECYCLING CONTAINERS SHALL BE CLEARLY LABELED.
5. ALL CONSTRUCTION ACTIVITIES ARE TO BE MONITORED AND MAINTAINED BY THE CONTRACTOR. AS EACH SUBCONTRACTOR COMES ON-SITE, THE CONTRACTOR WILL CONDUCT AND DOCUMENT A MEETING TO ENSURE AWARENESS OF THE POLLUTANT PREVENTION PROGRAM. GUIDELINES FOR PROPER HANDLING, STORAGE AND DISPOSAL OF CONSTRUCTION SITE WASTES SHALL BE POSTED IN THE STORAGE AND USE AREAS, AND WORKERS SHALL BE TRAINED IN THESE PRACTICES.
6. CONTAINERS AND EQUIPMENT MUST BE INSPECTED REGULARLY FOR LEAKS, CORROSION, SUPPORT OR FOUNDATION FAILURE, OR ANY OTHER SIGNS OF DETERIORATION AND MUST BE TESTED FOR SOUNDNESS. ANY FOUND TO BE DEFECTIVE SHOULD BE REPAIRED OR REPLACED IMMEDIATELY.
SPILL PREVENTION PLAN:
PURPOSE:
THE INTENTION OF THIS SPILL PREVENTION, CONTROL AND COUNTERMEASURES (SPCC) IS TO ESTABLISH THE PROCEDURES AND EQUIPMENT REQUIRED TO PREVENT THE DISCHARGE OF OIL AND HAZARDOUS SUBSTANCES IN QUANTITIES THAT VIOLATE APPLICABLE WATER QUALITY STANDARDS, CAUSE A SHEEN OR DISCOLORATION OF THE SURFACE OF NAVIGABLE WATERS OR ADJOINING SHORELINES, OR CAUSE SLUDGE OR EMULSION TO BE DEPOSITED BENEATH THE SURFACE OF THE WATER OR ADJOINING SHORELINES. THE PLAN ALSO ESTABLISHES THE ACTIVITIES REQUIRED TO MITIGATE SUCH DISCHARGES (I.E., COUNTERMEASURES) SHOULD THEY OCCUR.
DEFINITIONS:
MEANS POLLUTANT OF ANY KIND OR IN ANY FORM, INCLUDING BUT NOT LIMITED TO SEDIMENT, PAINT, CLEANING AGENT, CONCRETE WASHOUT, PESTICIDES, NUTRIENTS, TRASH, HYDRAULIC FLUIDS, FUEL, OIL, PETROLEUM, FUEL OIL, SLUDGE, OIL REFUSE, AND OIL MIXED WITH WASTES OTHER THAN DREDGED SOIL.
DISCHARGE:
INCLUDES BUT IS NOT LIMITED TO, ANY SPILLING, LEAKING, PUMPING, POURING, EMITTING, EMPTYING, OR DUMPING.
NAVIGABLE WATERS:
MEANS ALL WATERS OF THE UNITED STATES THAT ARE CONNECTED WITH A NAVIGABLE STREAM, LAKE, OR SEA. [NOTE: THIS DEFINITION IS USUALLY INTERPRETED TO MEAN ANY WASTEWATER (EVEN NORMALLY DRY WASH OR STORM SEWER) THAT EVENTUALLY DRAINS INTO A NAVIGABLE STREAM].
PLAN REVIEW AND AMENDMENTS:
THIS PLAN SHALL BE REVIEWED AND/OR AMENDED, IF NECESSARY, WHENEVER THERE IS A CHANGE IN THE DESIGN OF THE SITE, CONSTRUCTION, OPERATION, OR MAINTENANCE WHICH MATERIALLY AFFECTS THE SITE'S POTENTIAL FOR THE DISCHARGE OF REGULATED MATERIAL.
PREDICTION OF POTENTIAL SPILLS:
1. NEAREST NAVIGABLE WATER: DEER CREEK
2. DRAINAGE SYSTEM: ALL STORM DRAINAGE LEAVES THE SITE NORTHWEST DIRECTION THROUGH A STORM LINE AND ENTERS A VEGETATIVE SWALE INTO DEER CREEK.
3. POSSIBLE SPILL SOURCES (DURING AND POST CONSTRUCTION): VEHICULAR SOURCES SUCH AS LEAKING FUEL OR GREASE, ANTIFREEZES, TRASH AND DEBRIS, BIOLOGICAL AGENTS FOUND IN TRASH AND DEBRIS, FERTILIZERS, HOUSEHOLD ITEMS INCLUDING BUT NOT LIMITED TO CLEANING AGENTS, CHEMICALS, PAINT, HERBICIDES AND PESTICIDES.
4. GROUNDWATER CONTAMINATION:
THE FACILITY MAINTAINS NO ABOVE GROUND OR UNDER GROUND STORAGE TANKS AT THIS SITE. THEREFORE, IT IS FELT THAT THERE IS LITTLE OR NO POSSIBILITY OF POST CONSTRUCTION GROUNDWATER CONTAMINATION. THE FACILITY DOES HAVE PUBLIC SANITARY SEWER AND PUBLIC WATER.
ALERT PROCEDURES FOR SPILLS:
1. ANY PERSONNEL OBSERVING A SPILL WILL IMMEDIATELY INSTIGATE THE FOLLOWING PROCEDURE:
A. DIALING "911" FROM ANY TELEPHONE.
B. NOTIFY THE APPROPRIATE EMERGENCY PERSONNEL.
2. THE EMERGENCY COORDINATOR WILL THEN TAKE THE FOLLOWING ACTIONS:
A. BARRICADE NO VEHICLES TO ENTER THE SPILL ZONE.
B. NOTIFY THE INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT, OFFICE OF EMERGENCY RESPONSE, BY CALLING THE APPROPRIATE TELEPHONE NUMBER:
OFFICE 317-233-7745
TOLL FREE 800-233-7745
ALSO THE NATIONAL RESPONSE CENTER AT 800-424-8802 AND PROVIDE THE FOLLOWING INFORMATION:
TIME OF OBSERVATION OF THE SPILL
LOCATION OF THE SPILL
IDENTITY OF MATERIAL SPILLED
PROBABLE SOURCE OF THE SPILL
PROBABLE TIME OF THE SPILL
VOLUME OF THE SPILL AND DURATION
PRESENT AND ANTICIPATED MOVEMENT OF THE SPILL
WEATHER CONDITIONS
PERSONNEL AT THE SCENE
ACTION INITIATED BY PERSONNEL
C. NOTIFY THE CITY OF PUTNAM FIRE DEPARTMENT PHONE: 9-1-1
D. NOTIFY THE CITY OF PUTNAM POLICE DEPARTMENT PHONE: 9-1-1
E. NOTIFY WASTE RECOVERY CONTRACTOR, MAINTENANCE PERSONNEL OR OTHER CONTRACTUAL PERSONNEL AS NECESSARY FOR CLEANUP.
F. COORDINATE AND MONITOR CLEANUP UNTIL THE SITUATION HAS BEEN STABILIZE AND ALL SPILLS HAVE BEEN ELIMINATED.
G. COOPERATE WITH THE IDEM-OER ON PROCEDURES AND REPORTS INVOLVED WITH THE EVENT.
CLEANUP PARAMETERS:
1. THE DEVELOPER SHALL BE CONTINUALLY KEPT INFORMED, MAINTAIN LISTS OF QUALIFIED CONTRACTORS AND AVAILABLE VAC-TRUCKS, TANK PUMPS AND OTHER EQUIPMENT READILY ACCESSIBLE FOR CLEAN-UP OPERATIONS. IN ADDITION, A CONTINUALLY UPDATED LIST OF AVAILABLE ABSORBENT MATERIALS AND CLEAN-UP SUPPLIES SHOULD BE KEPT ON SITE.
2. ALL MAINTENANCE PERSONNEL WILL BE MADE AWARE OF THE REQUIREMENTS FOR PREVENTION AND CONTAINMENT OF SPILLS. THEY WILL BE INFORMED OF THE REQUIREMENTS AND PROCEDURES OUTLINED IN THIS PLAN. THEY WILL BE KEPT ABEAST OF CURRENT DEVELOPMENTS OR NEW INFORMATION ON THE PREVENTION OF SPILLS AND/OR NECESSARY ALTERATIONS TO THIS PLAN.
3. IF SPILLS OCCUR WHICH COULD ENDANGER HUMAN LIFE, THIS BECOMES THE PRIMARY CONCERN. THE DISCHARGE OF THE LIFE SAVING PROTECTION FUNCTION WILL BE CARRIED OUT BY THE LOCAL POLICE AND FIRE DEPARTMENTS.
4. 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.
5. FLUSHING OF SPILLED MATERIAL WITH WATER WILL NOT BE PERMITTED UNLESS SO AUTHORIZED BY THE INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT.
B15 MATERIAL HANDLING AND STORAGE PROCEDURES ASSOCIATED WITH CONSTRUCTION ACTIVITY
VEHICLE & EQUIPMENT MAINTENANCE
DESCRIPTION AND PURPOSE:
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.
SUITABLE APPLICATIONS:
THESE PROCEDURES ARE SUITABLE ON ALL CONSTRUCTION PROJECTS WHERE AN ONSITE YARD AREA IS NECESSARY FOR STORAGE AND MAINTENANCE OF HEAVY EQUIPMENT AND VEHICLES.
LIMITATIONS:
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).

STORMWATER POLLUTION PREVENTION PLAN IS IN COMPLIANCE WITH THE REQUIREMENTS OF IDEM CONSTRUCTION STORMWATER GENERAL PERMIT (CSGP)

REVISIONS table with columns: NUMBER, DESCRIPTION & DATE, BY. Row 1: 1, ADDENDUM #1 06/09/23, RR



CENTRAL ELEMENTARY SCHOOL PARKING LOT GREENCASTLE, IN STORMWATER POLLUTION PLAN NOTES



Table with fields: DRAWN BY (EW), CHECKED BY (RR), DATE (JANUARY 29, 2024), SCALE (AS SHOWN), JOB NUMBER (2023-046-S)

C8.1 STORMWATER POLLUTION PLAN NOTES

IMPLEMENTATION:
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 AT LEAST 50 FT FROM DOWNSTREAM DRAINAGE FACILITIES AND WATERCOURSES.

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 ONSITE VEHICLES AND EQUIPMENT DAILY AT STARTUP FOR LEAKS, AND REPAIR IMMEDIATELY, OR REMOVE FROM SITE.

KEEP VEHICLES AND EQUIPMENT CLEAN; DO NOT ALLOW EXCESSIVE BUILD-UP 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. PROPERLY DISPOSE OF USED OILS, FLUIDS, LUBRICANTS, AND SPILL CLEANUP MATERIALS.

DO NOT PLACE USED OIL IN A DUMPSTER OR POUR INTO A STORM DRAIN OR WATERCOURSE.

PROPERLY DISPOSE OF OR RECYCLE USED BATTERIES.

DO NOT BURY USED TIRES.

REPAIR LEAKS OF FLUIDS AND OIL IMMEDIATELY.

KEEP AMPLE SUPPLIES OF SPILL CLEANUP MATERIALS ONSITE.

MAINTAIN WASTE FLUID CONTAINERS IN LEAK PROOF CONDITION.

VEHICLE AND EQUIPMENT FUELING DESCRIPTION AND PURPOSE
VEHICLE EQUIPMENT FUELING PROCEDURES AND PRACTICES ARE 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.

LIMITATIONS
ONSITE VEHICLE AND EQUIPMENT 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. THESE BUSINESSES ARE BETTER EQUIPPED TO HANDLE FUEL AND SPILLS PROPERLY. PERFORMING THIS WORK OFFSITE CAN ALSO BE ECONOMICAL BY ELIMINATING THE NEED FOR A SEPARATE FUELING AREA AT A SITE.

DISCOURAGE "TOPPING OFF" OF FUEL TANKS.

ABSORBENT SPILL CLEANUP 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 RUNOFF AND SHOULD BE LOCATED AT LEAST 50 FT AWAY FROM DOWNSTREAM DRAINAGE FACILITIES AND WATERCOURSES. FUELING MUST BE PERFORMED ON LEVEL GRADE AREAS.

PROTECT FUELING AREAS WITH BERMS AND DIKES TO PREVENT RUNOFF, 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 SOIL AND CLEANUP MATERIALS.

CONCRETE WASHOUT
THE FOLLOWING STEPS WILL HELP REDUCE STORMWATER POLLUTION FROM CONCRETE WASTES: DISCUSS THE CONCRETE MANAGEMENT TECHNIQUES DESCRIBED IN THIS BMP (SUCH AS HANDLING OF CONCRETE WASTE AND WASHOUT) WITH THE READY MIX CONCRETE SUPPLIER BEFORE ANY DELIVERIES ARE MADE.

INCORPORATE REQUIREMENTS FOR CONCRETE WASTE MANAGEMENT INTO MATERIAL SUPPLIES AND SUBCONTRACTOR AGREEMENTS.

STORE DRY AND WET MATERIALS UNDER COVER, AWAY FROM DRAINAGE AREAS.

AVOID MIXING EXCESS AMOUNTS OF FRESH CONCRETE.

PERFORM WASHOUT OF CONCRETE TRUCKS OFFSITE OR IN DESIGNATED AREAS ONLY.

DO NOT WASH OUT CONCRETE TRUCKS INTO STORM DRAINS, OPEN DITCHES, STREETS, OR STREAMS.

DO NOT ALLOW EXCESS CONCRETE TO BE DUMPED ONSITE, EXCEPT IN DESIGNATED AREAS.

FOR ONSITE WASHOUT:
— LOCATE WASHOUT AREA AT LEAST 50 FEET FROM STORM DRAINS, OPEN DITCHES, OR WATER BODIES.
— WASH OUT WASTES INTO THE TEMPORARY PIT WHERE THE CONCRETE CAN SET, BE BROKEN UP, AND THEN DISPOSED PROPERLY.
— AVOID CREATING RUNOFF 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.

SOLID WASTE MANAGEMENT DESCRIPTION AND PURPOSE
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, AND TRAINING EMPLOYEES AND SUBCONTRACTORS.

SUITABLE APPLICATIONS
THIS BMP IS SUITABLE FOR CONSTRUCTION SITES WHERE THE FOLLOWING WASTES ARE GENERATED OR STORED:
SOLID WASTE GENERATED FROM TREES AND SHRUBS REMOVED DURING LAND CLEARING, DEMOLITION OF EXISTING STRUCTURES (RUBBLE), 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, NONHAZARDOUS EQUIPMENT PARTS, STYROFOAM AND OTHER MATERIALS FROM TRANSPORT AND PACKAGE CONSTRUCTION MATERIALS.

IMPLEMENTATION
SELECT DESIGNATED WASTE COLLECTION AREAS ONSITE.

INFORM CONTRACTORS THAT YOU WILL ACCEPT ONLY WATERTIGHT 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 DESIGNATED FOR CONSTRUCTION DEBRIS.

DO NOT HOSE OUT DUMPSTERS ON THE CONSTRUCTION SITE. LEAVE DUMPSTER CLEANING TO THE TRASH HAULING CONTRACTOR.

ARRANGE FOR REGULAR WASTE COLLECTION BEFORE CONTAINERS OVERFLOW.

CLEAN UP IMMEDIATELY IF A CONTAINER DOES SPILL.
MAKE SURE THAT CONSTRUCTION WASTE IS COLLECTED, REMOVED, AND DISPOSED OF ONLY AT AUTHORIZED DISPOSAL AREAS.

INCORPORATE REQUIREMENTS FOR SOLID WASTE MANAGEMENT INTO BUILDER AND SUBCONTRACTOR AGREEMENTS.

LITTERING ON THE PROJECT SITE SHOULD BE PROHIBITED.

TO PREVENT CLOGGING OF THE STORM DRAINAGE SYSTEM, LITTER AND DEBRIS REMOVAL FROM DRAINAGE GRATES, TRASH RACKS, AND DITCH LINES SHOULD BE A PRIORITY.

TRASH RECEPTACLES SHOULD BE PROVIDED IN THE CONTRACTOR'S YARD, FIELD TRAILER AREAS, AND AT LOCATIONS WHERE WORKERS CONGREGATE FOR LUNCH AND BREAK PERIODS.

LITTER FROM WORK AREAS WITHIN THE CONSTRUCTION LIMITS OF THE PROJECT SITE SHOULD BE COLLECTED AND PLACED IN WATERTIGHT DUMPSTERS AT LEAST WEEKLY, REGARDLESS OF WHETHER THE LITTER WAS GENERATED BY THE CONTRACTOR, THE PUBLIC, OR OTHERS. COLLECTED LITTER AND DEBRIS SHOULD NOT BE PLACED IN OR NEXT TO DRAIN INLETS, STORMWATER DRAINAGE SYSTEMS, OR WATERCOURSES.

DUMPSTERS OF SUFFICIENT SIZE AND NUMBER SHOULD BE PROVIDED TO CONTAIN THE SOLID WASTE GENERATED BY THE PROJECT.

FULL DUMPSTERS SHOULD BE REMOVED FROM THE PROJECT SITE AND THE CONTENTS SHOULD BE DISPOSED OF BY THE TRASH HAULING CONTRACTOR.

CONSTRUCTION DEBRIS AND WASTE SHOULD BE REMOVED FROM THE SITE BIWEEKLY OR MORE FREQUENTLY AS NEEDED.

CONSTRUCTION MATERIAL VISIBLE TO THE PUBLIC SHOULD BE STORED OR STACKED IN AN ORDERLY MANNER.

STORMWATER RUNOFF SHOULD BE PREVENTED FROM CONTACTING STORED SOLID WASTE THROUGH THE USE OF BERMS, DIKES, OR OTHER TEMPORARY STRUCTURES OR THROUGH THE USE OF MEASURE TO ELEVATE WASTE FROM SITE SURFACES.

SOLID WASTE STORAGE AREAS SHOULD BE LOCATED AT LEAST 50 FT. FROM DRAINAGE FACILITIES AND WATERCOURSES AND SHOULD NOT BE LOCATED IN AREA PRONE TO FLOODING OR PONDING.

INSPECTION AND MAINTENANCE
INSPECT CONSTRUCTION WASTE AREA WEEKLY.
ARRANGE FOR REGULAR WASTE COLLECTION.

DEWATERING AND PUMPING OPERATIONS DESCRIPTION AND PURPOSE
DEWATERING OPERATIONS ARE PRACTICES THAT MANAGE THE DISCHARGE OF POLLUTANTS WHEN NON-STORMWATER AND ACCUMULATED PRECIPITATION MUST BE REMOVED FROM A WORK LOCATION SO THAT CONSTRUCTION WORK MAY BE ACCOMPLISHED.

SUITABLE APPLICATIONS
THESE PRACTICES ARE IMPLEMENTED FOR DISCHARGES OF NON-STORMWATER FROM CONSTRUCTION SITES. NON-STORMWATER INCLUDES, BUT ARE NOT LIMITED TO, GROUNDWATER, WATER FROM COFFERDAMS, WATER DIVERSIONS, AND WATERS USED DURING CONSTRUCTION ACTIVITIES THAT MUST BE REMOVED FROM A WORK AREA. PRACTICES IDENTIFIED IN THIS SECTION ARE ALSO APPROPRIATE FOR IMPLEMENTATION WHEN MANAGING THE REMOVAL OF ACCUMULATED PRECIPITATION (STORMWATER) FROM DEPRESSED AREAS AT A CONSTRUCTION SITE.

LIMITATIONS
SITE CONDITIONS WILL DICTATE DESIGN AND USE OF DEWATERING OPERATIONS. THE CONTROLS DISCUSSED IN THIS BEST MANAGEMENT PRACTICE (BMP) ADDRESS SEDIMENT ONLY. THE CONTROLS DETAILED IN THIS BMP ONLY ALLOW FOR MINIMAL SETTLING TIME FOR SEDIMENT PARTICLES. USE ONLY WHEN SITE CONDITIONS RESTRICT THE USE OF THE OTHER CONTROL METHODS. DEWATERING OPERATIONS WILL REQUIRE, AND MUST COMPLY WITH, APPLICABLE LOCAL PERMITS.

IMPLEMENTATION
DEWATERING DISCHARGES MUST NOT CAUSE EROSION AT THE DISCHARGE POINT. A VARIETY OF METHODS CAN BE USED TO TREAT WATER DURING DEWATERING OPERATIONS. SEVERAL DEVICES ARE PRESENTED BELOW AND PROVIDE OPTIONS TO ACHIEVE SEDIMENT REMOVAL. THE SIZE OF PARTICLES PRESENT IN THE SEDIMENT AND PERMIT OR RECEIVING WATER LIMITATIONS ON SEDIMENT ARE KEY CONSIDERATIONS FOR SELECTING SEDIMENT TREATMENT OPTION(S); IN SOME CASES, THE USE OF MULTIPLE DEVICES MAY BE APPROPRIATE.

SEDIMENT TRAP DESCRIPTION
A SEDIMENT TRAP IS A TEMPORARY BASIN FORMED BY EXCAVATION AND/OR CONSTRUCTION OF AN EARTHEN EMBANKMENT ACROSS A WATERWAY OR LOW DRAINAGE AREA TO DETAIN RUNOFF AND ALLOW SEDIMENT TO SETTLE OUT BEFORE DISCHARGING. SEDIMENT TRAPS ARE GENERALLY SMALLER THAN SEDIMENT BASINS.

APPROPRIATE APPLICATIONS
EFFECTIVE FOR THE REMOVAL OF LARGE AND MEDIUM SIZED PARTICLES (SAND AND GRAVEL) AND SOME METALS THAT SETTLE OUT WITH THE SEDIMENT.

IMPLEMENTATION
EXCAVATION AND CONSTRUCTION OF RELATED FACILITIES IS REQUIRED. TRAP INLETS SHOULD BE LOCATED TO MAXIMIZE THE TRAVEL DISTANCE TO THE TRAP OUTLET. USE ROCK OR VEGETATION TO PROTECT THE TRAP OUTLETS AGAINST EROSION.

MAINTENANCE
MAINTENANCE IS REQUIRED FOR VEGETATION, EMBANKMENT, INLET AND OUTFALL STRUCTURES, AS WELL AS OTHER FEATURES. REMOVAL OF SEDIMENT IS REQUIRED WHEN THE STORAGE VOLUME IS REDUCED BY ONE THIRD.

GRAVITY BAG FILTER (DEWATERING BAG) DESCRIPTION
A GRAVITY BAG FILTER, ALSO REFERRED TO AS A DEWATERING BAG, IS A SQUARE OR RECTANGULAR BAG MADE OF NON-WOVEN GEOTEXTILE FABRIC THAT COLLECTS SAND, SILT, AND FINES.

APPROPRIATE APPLICATIONS
EFFECTIVE FOR THE REMOVAL OF SEDIMENTS (GRAVEL, SAND, AND SILT), SOME METALS ARE REMOVED WITH THE SEDIMENT.

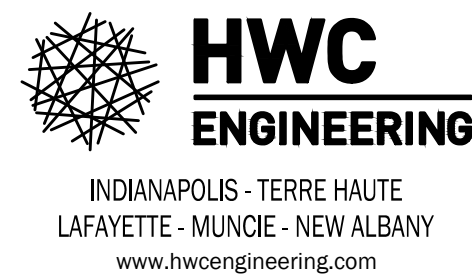
IMPLEMENTATION
WATER IS PUMPED INTO ONE SIDE OF THE BAG AND SEEPS THROUGH THE BOTTOM AND SIDES OF THE BAG. A SECONDARY BARRIER, SUCH AS A ROCK FILTER BED OR STRAW/HAY BALE BARRIER, IS PLACED BENEATH AND BEYOND THE EDGES OF THE BAG TO CAPTURE SEDIMENTS THAT ESCAPE THE BAG.

MAINTENANCE
INSPECTION OF THE FLOW CONDITIONS, BAG CONDITION, BAG CAPACITY, AND THE SECONDARY BARRIER IS REQUIRED. REPLACE THE BAG WHEN IT NO LONGER FILTERS SEDIMENT OR PASSES WATER AT A REASONABLE RATE. THE BAG IS DISPOSED OF OFFSITE.

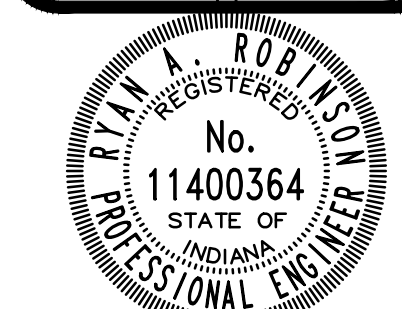
- C1 DESCRIPTION OF POLLUTANTS AND THEIR SOURCES ASSOCIATED WITH THE PROPOSED LAND USE:
LEAVES, MULCH, VEHICULAR SOURCES SUCH AS LEAKING FUEL OR OIL, BRAKE FLUID, BRAKE DUST, GREASE, ANTIFREEZE, METALS, RUBBER FRAGMENTS, ROAD GRIT, SALTS AND SANDS, TRASH AND DEBRIS, FERTILIZERS, CLEANING AGENTS CHEMICALS, PAINT, ANIMAL WASTE, ELEVATED STORM RUNOFF TEMPERATURES, PESTICIDES AND PATHOGENS.
- C2 DESCRIPTION OF PROPOSED POST CONSTRUCTION STORMWATER QUALITY MEASURES:
VEGETATED SWALES
THE VEGETATED SWALES INSTALLED DURING CONSTRUCTION WILL SLOW RUNOFF AND ACT AS A SLOWING THE RUNOFF WILL NOT ONLY ALLOW SEDIMENT TO DROP OUT, BUT LIMIT THE ABILITY FOR THE STORM WATER TO ERODE AND CARRY POLLUTANTS DOWNSTREAM.
PERMANENT SEEDING
PERMANENT SEEDING WILL BE PLACED TO ACT AS A FILTER AND TO PREVENT EROSION.
WET/ DRY DETENTION BASIN
BASINS COLLECT, TEMPORARILY HOLD, AND GRADUALLY RELEASE EXCESS STORM WATER FROM STORM EVENTS. DETENTION IS ACHIEVED THROUGH THE USE OF AN OUTLET STRUCTURE THAT REGULATES THE RATE OF STORM WATER OUTFLOW. SEDIMENTS AND OTHER POLLUTANTS THAT ENTER THE STORMWATER SYSTEM FOR THE PROJECT SITE WILL BE ALLOWED TO SETTLE OUT PRIOR TO DISCHARGING INTO THE RECEIVING WATERS.
FOR LOCATIONS SEE PLAN SET: SHEET C8.0
FOR DETAILS: SEE SHEET C8.3
- C3 LOCATION, DIMENSIONS, SPECIFICATIONS AND CONSTRUCTION DETAILS OF STORMWATER QUALITY MEASURES:
FOR LOCATIONS SEE PLAN SET: SHEET C8.0
FOR DETAILS: SEE SHEET C8.3
- C4 SEQUENCE DESCRIBING STORMWATER QUALITY MEASURE IMPLEMENTATION:
REFERENCE EROSION CONTROL SEQUENCING
SEE PLAN SET: POST-CONSTRUCTION STORMWATER POLLUTION PREVENTION PLANS, SHEET C8.0
VEGETATED SWALES
THEY WILL BE CONSTRUCTED DURING AND FOLLOWING THE MASS GRADING OF THE SITE. THEY WILL BE IMMEDIATELY STABILIZED WITH PERMANENT SEEDING AND MULCH AND EROSION CONTROL BLANKETS AS SHOWN ON THE PLAN. THEY WILL PERSIST IN THE POST CONSTRUCTION PHASE AS A PERMANENT FEATURE.
PERMANENT SEEDING
PERMANENT SEEDING OF EXPOSED AREAS SHALL BE INITIATED ON THE SEVENTH (7TH) DAY AND STABILIZATION ACTIVITIES SHALL BE COMPLETED BY THE FOURTEENTH (14) DAY ONCE FINAL GRADING IS COMPLETED.
WET/ DRY DETENTION BASIN
BASINS COLLECT, TEMPORARILY HOLD, AND GRADUALLY RELEASE EXCESS STORM WATER FROM STORM EVENTS. DETENTION IS ACHIEVED THROUGH THE USE OF AN OUTLET STRUCTURE THAT REGULATES THE RATE OF STORM WATER OUTFLOW. SEDIMENTS AND OTHER POLLUTANTS THAT ENTER THE STORMWATER SYSTEM FOR THE PROJECT SITE WILL BE ALLOWED TO SETTLE OUT PRIOR TO DISCHARGING INTO THE RECEIVING WATERS.
- C5 DESCRIPTION OF MAINTENANCE GUIDELINES FOR POST CONSTRUCTION STORMWATER QUALITY MEASURES:
VEGETATED SWALES
THE VEGETATED SWALES SHOULD BE CHECKED ANNUALLY FOR ISSUES RELATED TO PERFORMANCE. DURING THIS TIME TRASH SHOULD BE REMOVED, SEED PLANTED IF NECESSARY, AND ANY EROSION PROBLEMS ADDRESSED. THE GRASS IN THE SWALE SHOULD BE KEPT AT A 3"-4" HEIGHT. MAINTENANCE ASSOCIATED WITH THE VEGETATED SWALE IS THE RESPONSIBILITY OF THE LOCAL LANDOWNER.
PERMANENT SEEDING
PERMANENT SEEDING AREAS SHOULD BE CHECKED ANNUALLY FOR ISSUES RELATED TO PERFORMANCE. DURING THIS TIME PLANT SEED IF NECESSARY AND ANY EROSION PROBLEMS ADDRESSED. TRASH SHOULD BE REMOVED ON AN AS NEEDED BASIS. THE GRASS SHOULD BE KEPT TO A 3" - 4" HEIGHT. MAINTENANCE IS THE RESPONSIBILITY OF THE LOCAL LANDOWNER.
WET/ DRY DETENTION BASIN
BASINS COLLECT, TEMPORARILY HOLD, AND GRADUALLY RELEASE EXCESS STORM WATER FROM STORM EVENTS. DETENTION IS ACHIEVED THROUGH THE USE OF AN OUTLET STRUCTURE THAT REGULATES THE RATE OF STORM WATER OUTFLOW. SEDIMENTS AND OTHER POLLUTANTS THAT ENTER THE STORMWATER SYSTEM FOR THE PROJECT SITE WILL BE ALLOWED TO SETTLE OUT PRIOR TO DISCHARGING INTO THE RECEIVING WATERS.
- C6 ENTITY THAT WILL BE RESPONSIBLE FOR OPERATION AND MAINTENANCE OF THE POST-CONSTRUCTION STORMWATER MEASURES:
INITIAL: DEVELOPER - CONTRACTOR
LONG-TERM: CENTRAL ELEMENTARY SCHOOL

STORMWATER POLLUTION PREVENTION PLAN IS IN COMPLIANCE WITH THE REQUIREMENTS OF IDEM CONSTRUCTION STORMWATER GENERAL PERMIT (CSGP)

REVISIONS		
NUMBER	DESCRIPTION & DATE	BY
1	ADDENDUM #1 06/09/23	RR



CENTRAL ELEMENTARY SCHOOL PARKING LOT
GREENCASTLE, IN
STORMWATER POLLUTION PLAN
NOTES

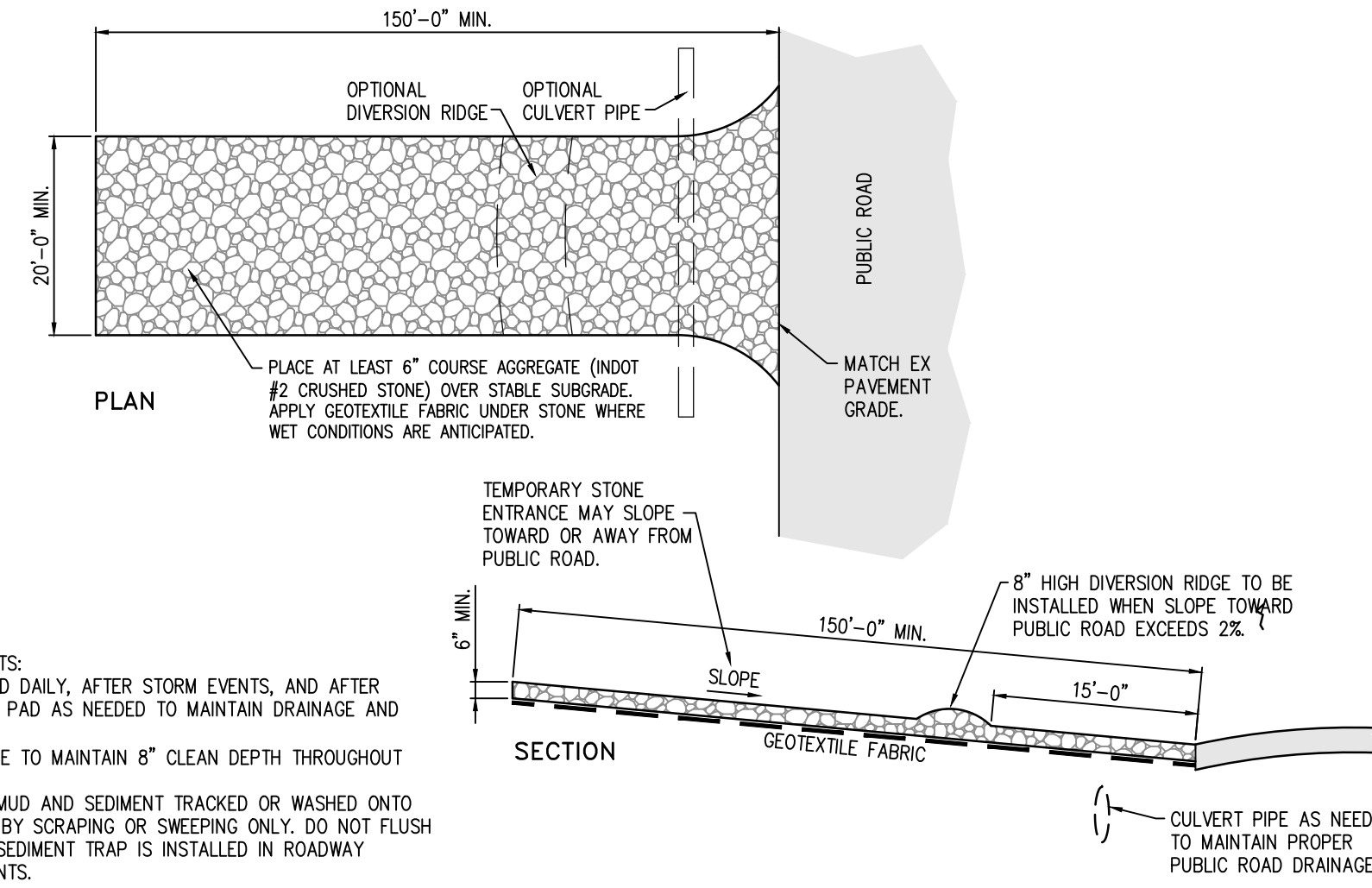


Ryan A. Robinson

DRAWN BY EW	JOB NUMBER 2023-046-S
CHECKED BY RR	
DATE JANUARY 29, 2024	SHEET
SCALE AS SHOWN	
SHEET	

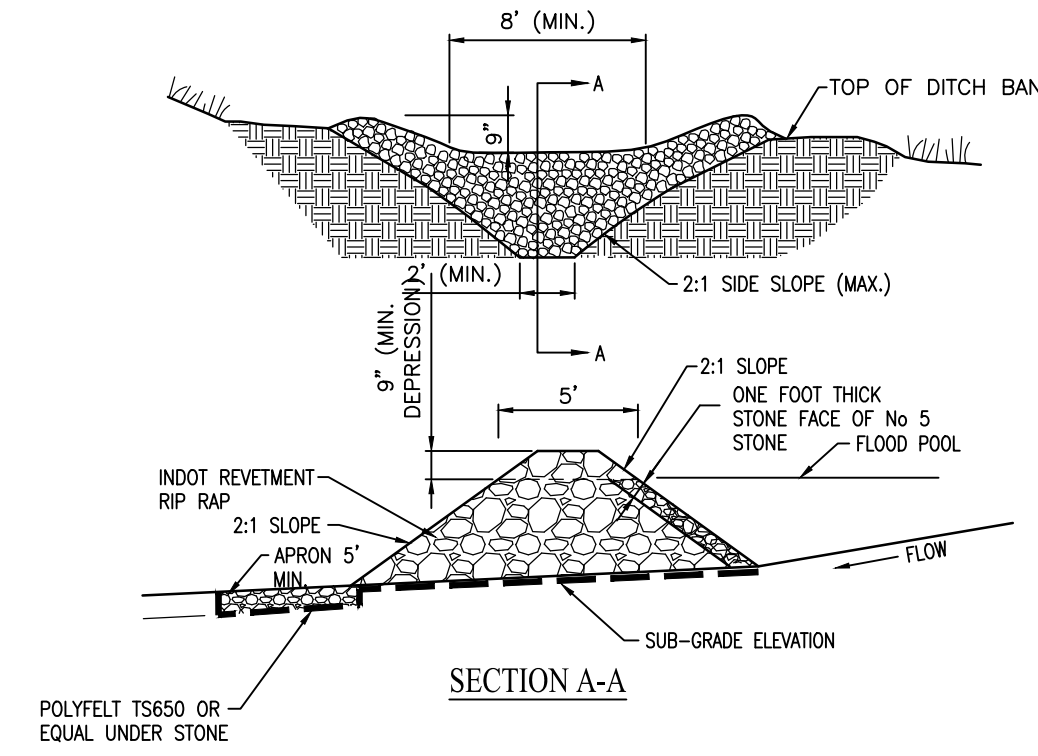
C8.2
STORMWATER POLLUTION
PLAN NOTES

File Name: W:\Fanning_Hovey\2023-079-S Fanning_Hovey-Central Elementary School Parking Lot\Design\CAD\23079.Details.dwg, Layout: C8.3 SWPP Details, Plot Time: 8:43am, Plot Date: Feb 12, 2024, By: sthompson



- MAINTENANCE REQUIREMENTS:**
1. INSPECT ENTRANCE PAD DAILY, AFTER STORM EVENTS, AND AFTER HEAVY USE. RESHAPE PAD AS NEEDED TO MAINTAIN DRAINAGE AND RUNOFF CONTROL.
 2. TOP DRESS WITH STONE TO MAINTAIN 8" CLEAN DEPTH THROUGHOUT ENTRANCE.
 3. IMMEDIATELY REMOVE MUD AND SEDIMENT TRACKED OR WASHED ONTO PUBLIC ROAD. CLEAN BY SCRAPING OR SWEEPING ONLY. DO NOT FLUSH WITH WATER UNLESS SEDIMENT TRAP IS INSTALLED IN ROADWAY DRAINAGE IMPROVEMENTS.

TEMPORARY CONSTRUCTION ENTRANCE DETAIL
NOT TO SCALE



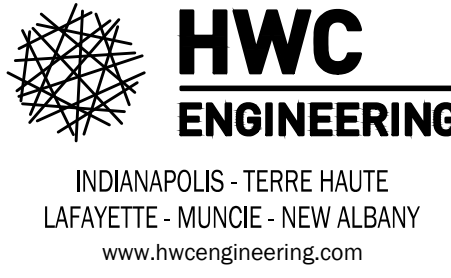
RIP-RAP ROCK CHECK DAM
NOT TO SCALE

SEEDING SCHEDULE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
TEMPORARY SEEDING DATES											
PERMANENT SEEDING DATES											

- NOTES:**
1. PERMANENT SEEDING INFORMATION SHOWN ON THIS PLAN IS FOR EROSION CONTROL PURPOSES ONLY. IF THE LANDSCAPING PLANS AND SPECIFICATIONS CONTAIN INFORMATION CONCERNING PERMANENT LAWN SEEDING AND/OR SOODING, THEN THAT INFORMATION SHALL SUPERSEDE SIMILAR INFORMATION INDICATED ON THIS SHEET.
 2. AREAS TO BE SEEDED SHALL BE SMOOTH AND UNIFORM AND SHALL BE IN ACCORDANCE WITH THE FINISHED GRADE AND CROSS SECTION SHOWN ON THE PLANS.
 3. AREAS TO BE SEEDED SHALL HAVE A MINIMUM TOPSOIL DEPTH OF 6 INCHES. LIGHTLY COMPACT PLACED TOPSOIL BY ROLLING OR TAMPING.
 4. PRIOR TO REPLACING TOPSOIL, LOOSEN SUBSOIL TO ENSURE GOOD BOND WITH TOPSOIL.
 5. APPLY SEEDING WITH 400 LB/ACRE OF 12-12-12 FERTILIZER AND MULCH WITH A CONTINUOUS BLANKET OF STRAW AT A RATE OF 2 TONS/ACRE, OR USE HYDROSEEDING TECHNIQUES WITH EQUIVALENT APPLICATION RATES.
 6. ON SLOPES GRADED AT 6:1 OR STEEPER, SEED SHALL BE HELD IN PLACE WITH EROSION CONTROL BLANKET, OR EQUIVALENT METHOD.
 7. SEED MIXTURES AND APPLICATION RATES:
 GRASS MIX APPLIED AT 170 LB/ACRE (4 LB/1000 SQ.FT.) COMPRISED OF THE FOLLOWING:
 KENTUCKY 31 FESCUE - 95 LB/ACRE
 PERENNIAL RYEGRASS - 65 LB/ACRE
 JASPER RED FESCUE - 10 LB/ACRE

NUMBER	DESCRIPTION & DATE	BY
1	ADDENDUM #1 06/09/23	RR

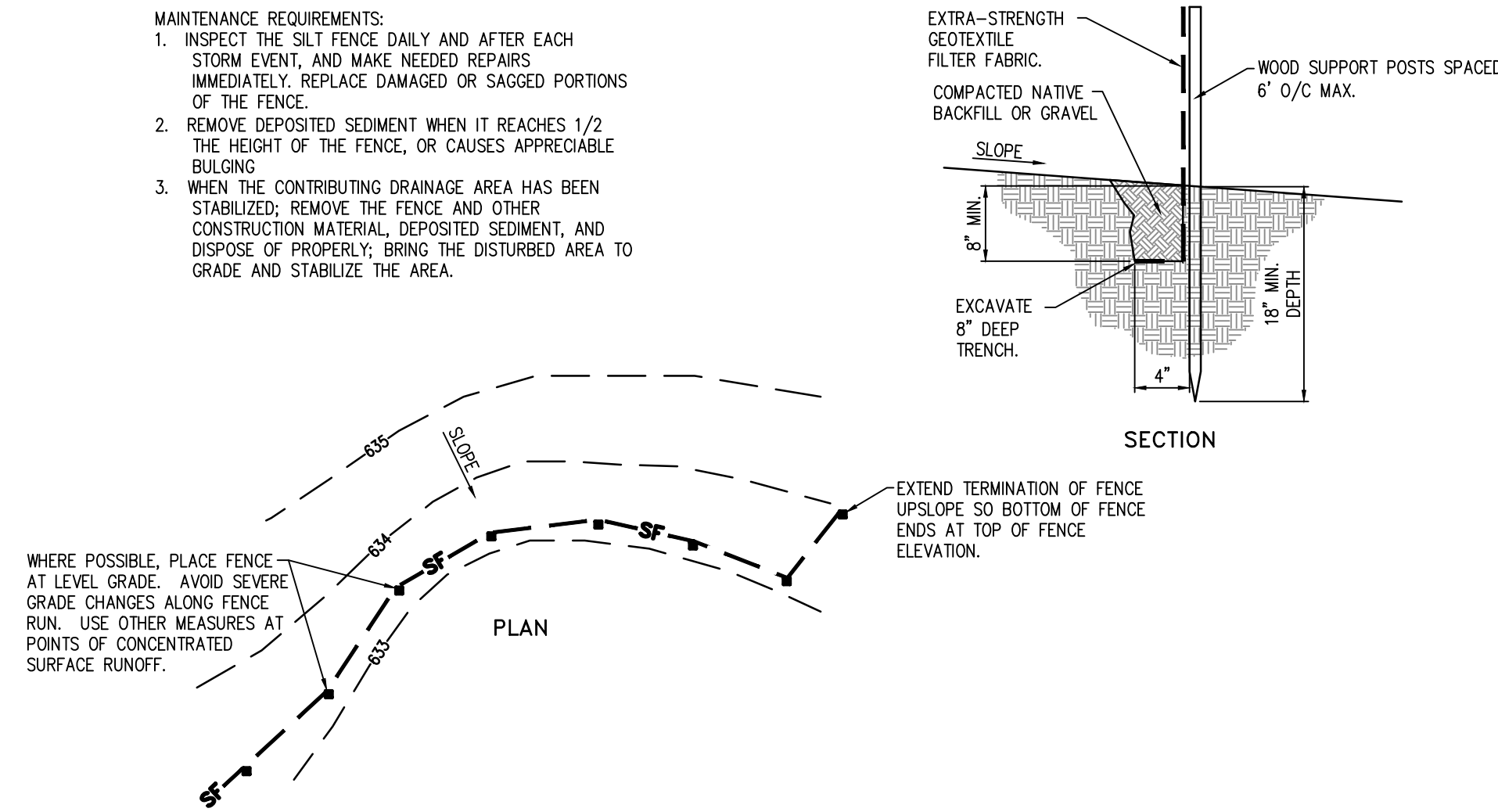


**CENTRAL ELEMENTARY SCHOOL PARKING LOT
GREENCASTLE, IN**
**STORMWATER POLLUTION
PREVENTION DETAILS**



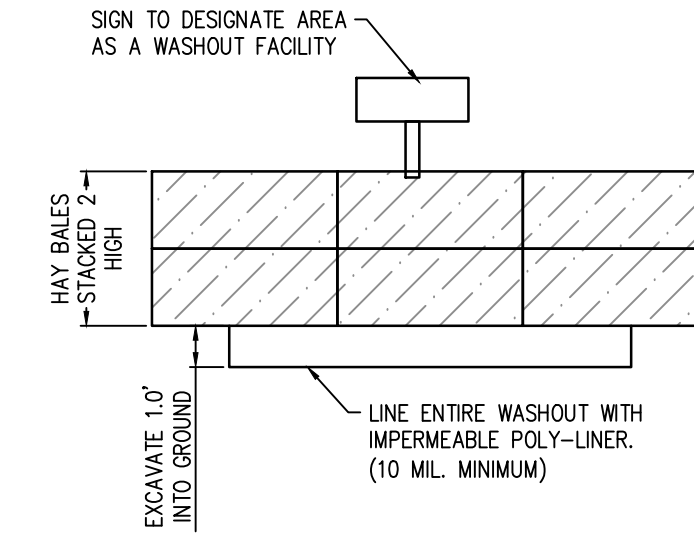
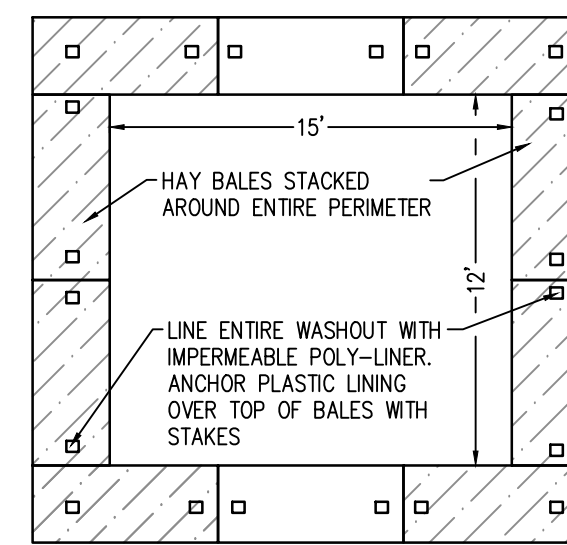
DRAWN BY: EW
 CHECKED BY: RR
 DATE: JANUARY 29, 2024
 SCALE: AS SHOWN
 SHEET: C8.3

C8.3
 STORMWATER POLLUTION
PREVENTION DETAILS



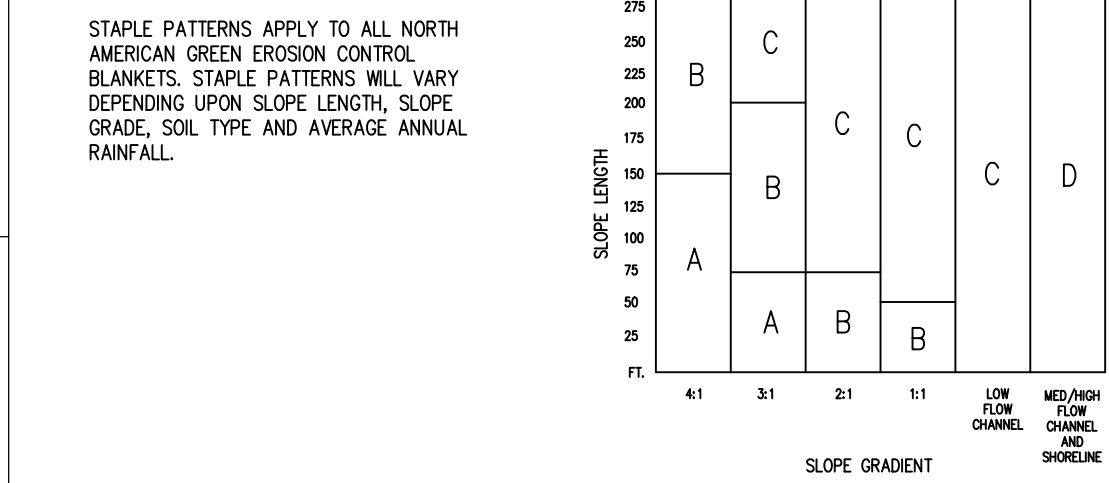
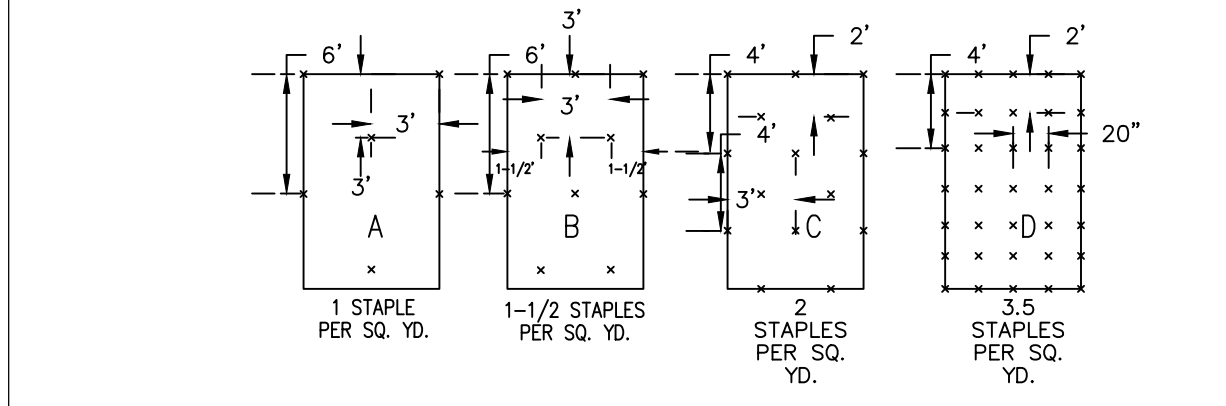
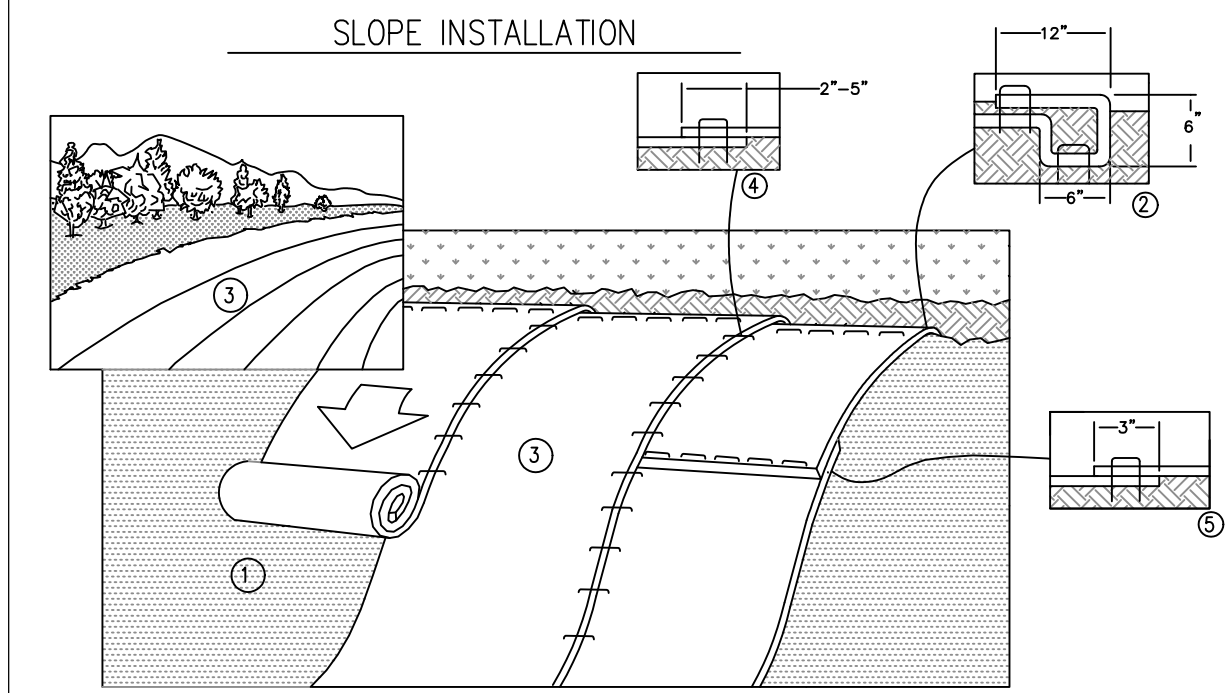
- MAINTENANCE REQUIREMENTS:**
1. INSPECT THE SILT FENCE DAILY AND AFTER EACH STORM EVENT, AND MAKE NEEDED REPAIRS IMMEDIATELY. REPLACE DAMAGED OR SAGGED PORTIONS OF THE FENCE.
 2. REMOVE DEPOSITED SEDIMENT WHEN IT REACHES 1/2 THE HEIGHT OF THE FENCE, OR CAUSES APPRECIABLE BUILDUP.
 3. WHEN THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED; REMOVE THE FENCE AND OTHER CONSTRUCTION MATERIAL, DEPOSITED SEDIMENT, AND DISPOSE OF PROPERLY. BRING THE DISTURBED AREA TO GRADE AND STABILIZE THE AREA.

SILT FENCE DETAIL
NOT TO SCALE



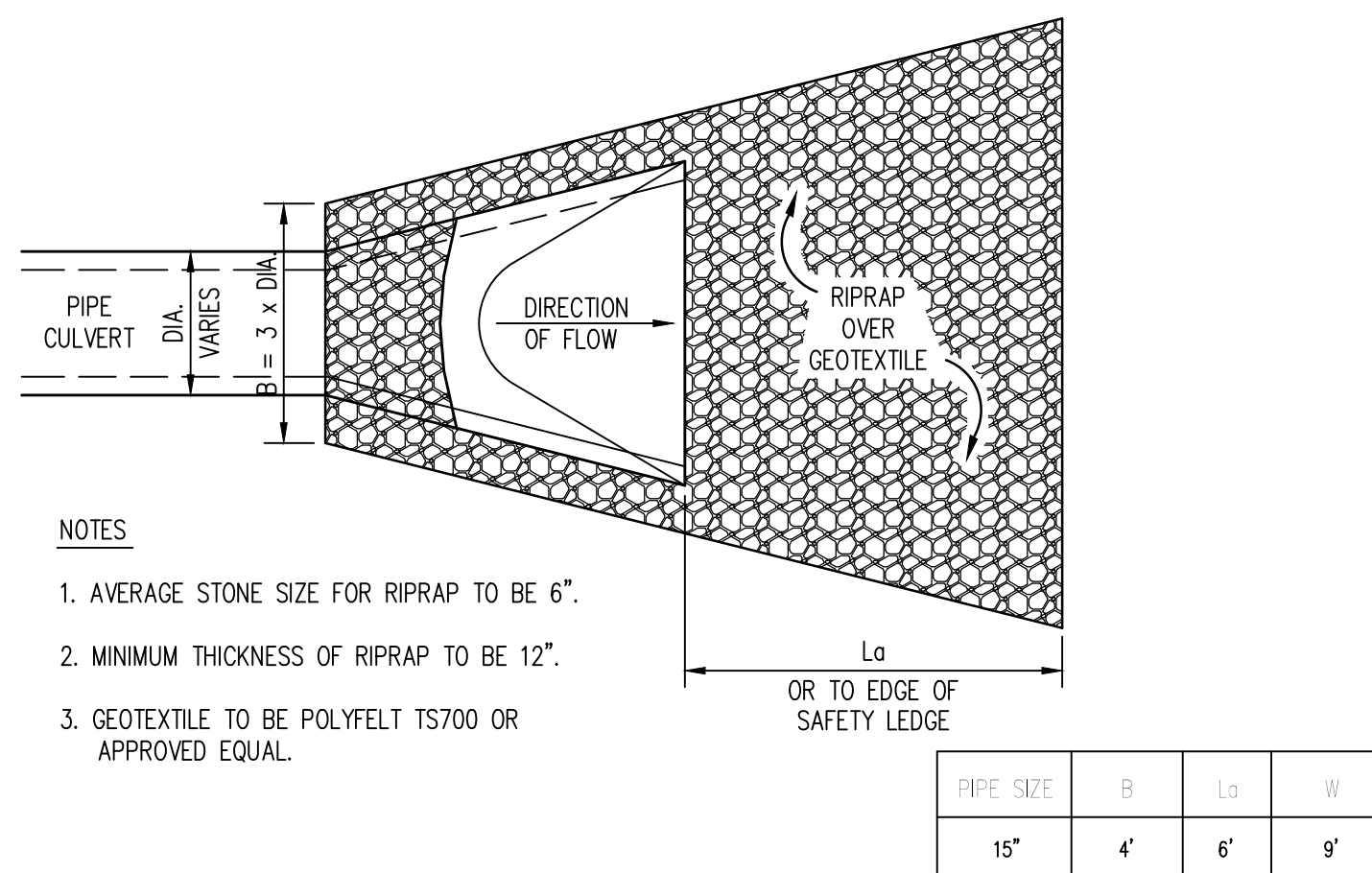
- MAINTENANCE REQUIREMENTS:**
1. INSPECT DAILY AFTER EACH STORM EVENT.
 2. INSPECT THE INTEGRITY OVERALL STRUCTURE INCLUDING, WHERE APPLICABLE, THE CONTAINMENT SYSTEM.
 3. INSPECT THE SYSTEM FOR LEAKS, SPILLS, AND TRACKING OF SOIL BY EQUIPMENT.
 4. INSPECT THE POLYETHYLENE LINING FOR FAILURE, INCLUDING TEARS AND PUNCTURES.
 5. ONCE CONCRETE WASTES HARDEN, REMOVE AND DISPOSE OF THE MATERIAL.
 6. EXCESS CONCRETE SHOULD BE REMOVED WHEN THE WASHOUT SYSTEM REACHES 50 PERCENT OF THE DESIGN CAPACITY. USE OF THE SYSTEM SHOULD BE DISCONTINUED UNTIL APPROPRIATE MEASURES CAN BE INITIATED TO CLEAN THE STRUCTURE. PREFABRICATED SYSTEMS SHOULD ALSO UTILIZE THIS CRITERION, UNLESS THE MANUFACTURER HAS ALTERNATE SPECIFICATIONS.
 7. UPON REMOVAL OF THE SOLIDS, INSPECT THE STRUCTURE. REPAIR THE STRUCTURE AS NEEDED OR CONSTRUCT A NEW SYSTEM.
 8. DISPOSE OF ALL CONCRETE IN A LEGAL MANNER. REUSE THE MATERIAL ON SITE, OR HAUL THE MATERIAL TO AN APPROVED CONSTRUCTION/DEMOLITION LANDFILL SITE.
 9. THE PLASTIC LINER SHOULD BE REPLACED AFTER EVERY CLEANING; THE REMOVAL OF MATERIAL WILL USUALLY DAMAGE THE LINING.
 10. THE CONCRETE WASHOUT SYSTEM SHOULD BE REPAIRED OR ENLARGED AS NECESSARY TO MAINTAIN CAPACITY FOR CONCRETE WASTE.
 11. CONCRETE WASHOUT SYSTEMS ARE DESIGNED TO PROMOTE EVAPORATION. HOWEVER, IF THE LIQUIDS DO NOT EVAPORATE AND THE SYSTEM IS NEAR CAPACITY IT MAY BE NECESSARY TO VACUUM OR REMOVE THE LIQUIDS AND DISPOSE OF THEM IN AN ACCEPTABLE METHOD. DISPOSAL MAY BE ALLOWED AT THE LOCAL SANITARY SEWER AUTHORITY PROVIDED THEIR NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMITS ALLOW FOR ACCEPTANCE OF THIS MATERIAL. ANOTHER OPTION WOULD BE USED TO UTILIZE A SECONDARY CONTAINMENT SYSTEM OR BASIN FOR FURTHER DEWATERING.
 12. INSPECT CONSTRUCTION ACTIVITIES ON A REGULAR BASIS TO ENSURE SUPPLIERS, CONTRACTORS, AND OTHERS ARE UTILIZING DESIGNATED WASHOUT AREAS. IF CONCRETE WASTE IS BEING DISPOSED OF IMPROPERLY, IDENTIFY THE VIOLATORS AND TAKE APPROPRIATE ACTION.
 13. WHEN CONCRETE WASHOUT SYSTEMS ARE NO LONGER REQUIRED, THE CONCRETE WASHOUT SYSTEMS SHALL BE CLOSED, DISPOSE OF ALL HARDENED CONCRETE AND OTHER MATERIALS USED TO CONSTRUCT THE SYSTEM.
 14. HOLES, DEPRESSIONS AND OTHER LAND DISTURBANCES ASSOCIATED WITH THE SYSTEM SHOULD BE BACKFILLED, GRADED, AND STABILIZED.

CONCRETE WASHOUT DETAIL
NOT TO SCALE



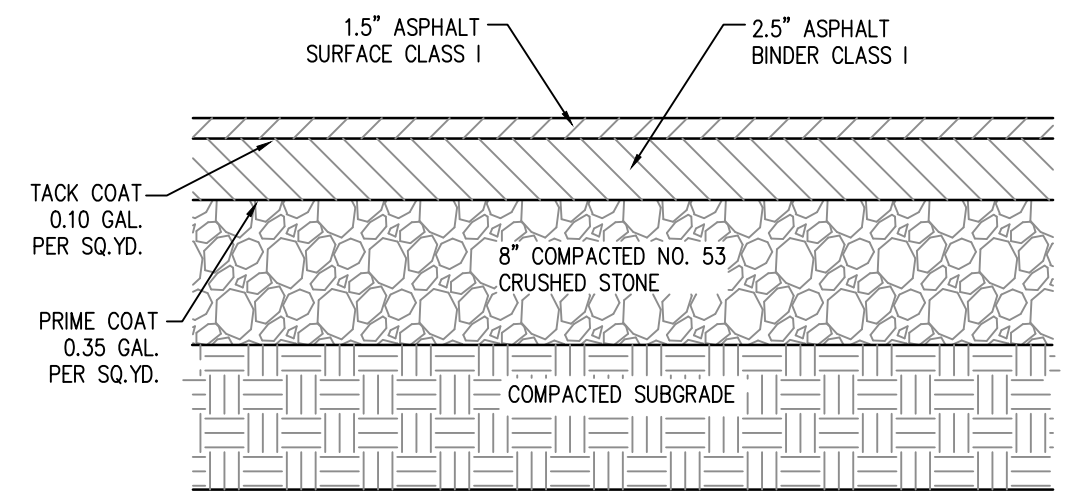
- NOTES:**
1. PREPARE SOIL BEFORE INSTALLING ROLLED EROSION CONTROL PRODUCTS (RECP's), INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
 2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE RECP'S IN A 6" (15 CM) DEEP X 6" (15 CM) WIDE TRENCH WITH APPROXIMATELY 12" (30 CM) OF RECP'S EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE RECP'S WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30 CM) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30 CM) PORTION OF RECP'S BACK OVER SEED AND COMPACTED SOIL. SECURE RECP'S OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30 CM) APART ACROSS THE WIDTH OF THE RECP'S.
 3. ROLL THE RECP'S (A) DOWN OR (B) HORIZONTALLY ACROSS THE SLOPE. RECP'S WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL RECP'S MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING THE DOT SYSTEM, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
 4. THE EDGES OF PARALLEL RECP'S MUST BE STAPLED WITH APPROXIMATELY 2" - 5" (5 CM - 12.5 CM) OVERLAP DEPENDING ON RECP'S TYPE.
 5. CONSECUTIVE RECP'S SPICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" (7.5 CM) OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" (30 CM) APART ACROSS ENTIRE RECP'S WIDTH.
 NOTE:
 *IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15 CM) MAY BE NECESSARY TO PROPERLY SECURE THE RECP'S.

EROSION CONTROL BLANKET DETAIL
NOT TO SCALE



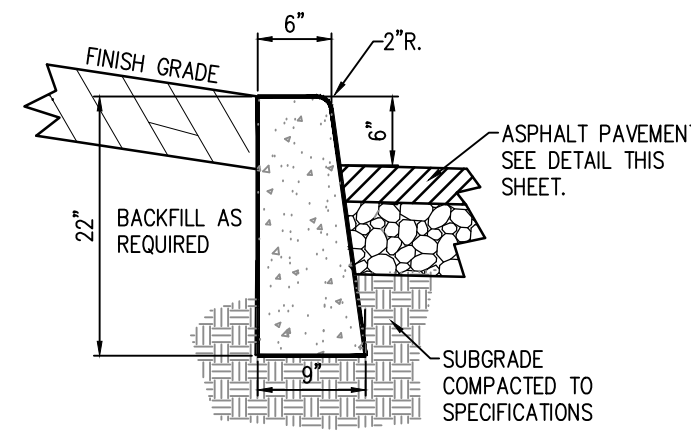
RIPRAP DETAIL FOR END SECTION DETAIL
NOT TO SCALE

File Name: W:\Fanning_Hovey\2023-079-S Fanning_Hovey-Central Elementary School Parking Lot\Design\CAD\23079S_Details.dwg, Layout: C9.0_CON_DETAILS, By: strompson, Plot Time: 8:43am, Date: Feb 12, 2024



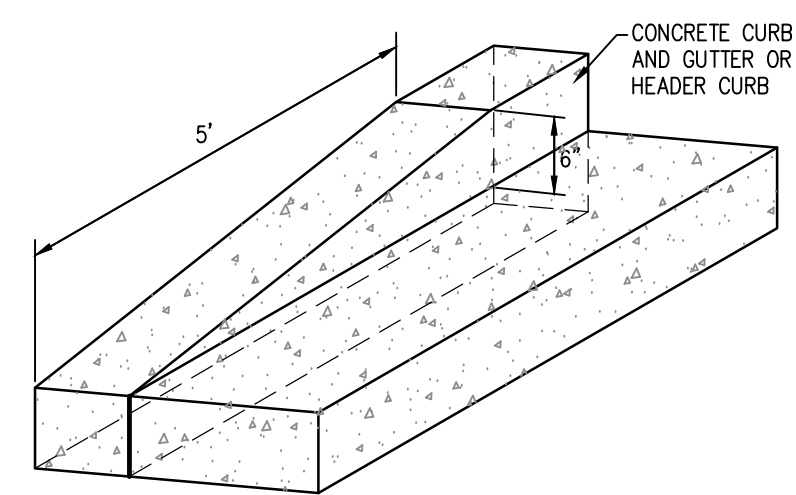
- NOTES:**
- NO. 53 CRUSHED STONE SHOULD BE COMPACTED A MINIMUM OF 98 PERCENT OF THE MAXIMUM STANDARD PROCTOR DRY DENSITY AS PER ASTM D-698.
 - SUBGRADE MATERIAL SHALL BE COMPACTED TO 98 PERCENT OF THE MAXIMUM STANDARD PROCTOR DRY DENSITY AS PER ASTM D-698. MOISTURE CONTENT SHALL BE WITHIN 2% OF OPTIMUM.

ASPHALT PAVEMENT
NOT TO SCALE

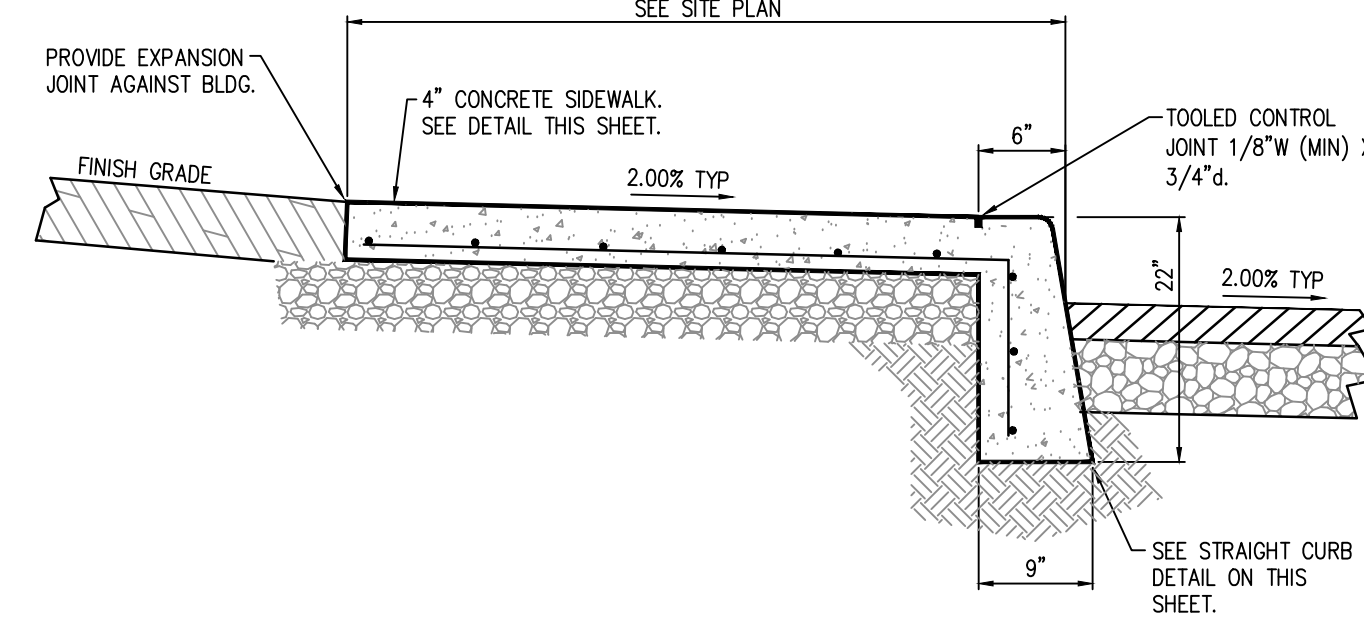


- NOTES:**
- CONCRETE SHALL BE 4000 PSI.
 - PROVIDE 1" DEEP, TOOLED CONTROL JOINTS AT 5' ON CENTER IN CURB.
 - PROVIDE 1/4" EXPANSION JOINT CONTINUOUS WHERE CURB ADJUTS EXISTING OR PROPOSED CONCRETE OR STORM STRUCTURES.
 - NO. 53 CRUSHED STONE SHOULD BE COMPACTED A MINIMUM OF 98 PERCENT OF THE MAXIMUM STANDARD PROCTOR DRY DENSITY AS PER ASTM D-698.

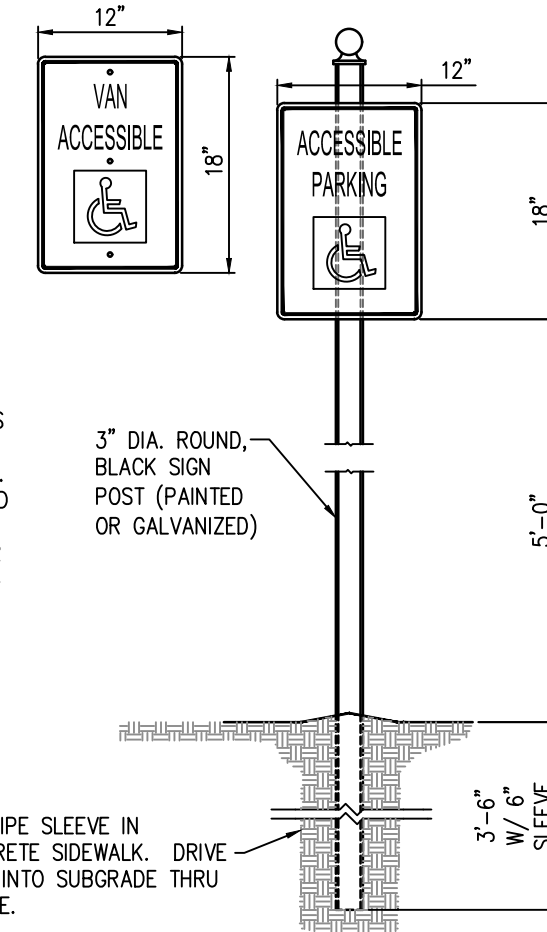
CONCRETE STRAIGHT CURB
NOT TO SCALE



CURB TAPER
NOT TO SCALE

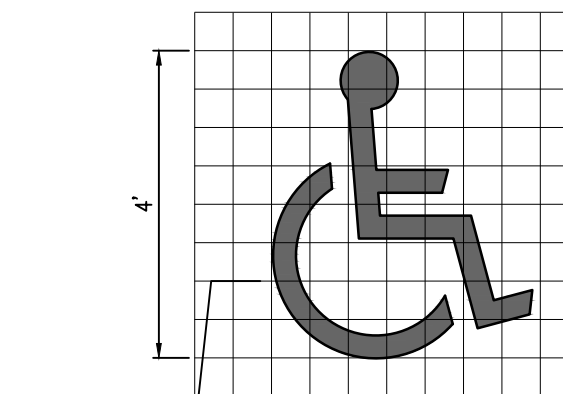


INTEGRAL CONCRETE CURB & SIDEWALK
NOT TO SCALE

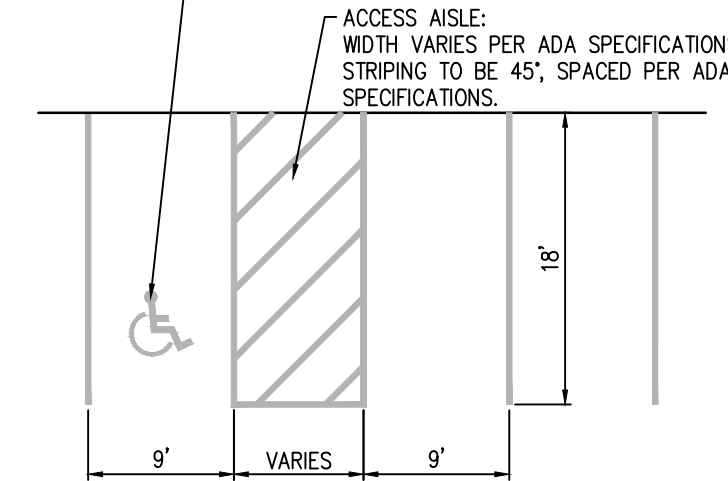


CONTRACTOR SHALL INSTALL SIGNS AND POLES SIMILAR TO THAT WITHIN THE ANSON DEVELOPMENT. FIELD REFERENCE OF YIELD AND DO NOT ENTER SIGN CAN BE FOUND ALONG CR 650 E, NORTH OF SR 334 WITHIN THE EXISTING ROUNDABOUT.

ACCESSIBLE PARKING
NOT TO SCALE

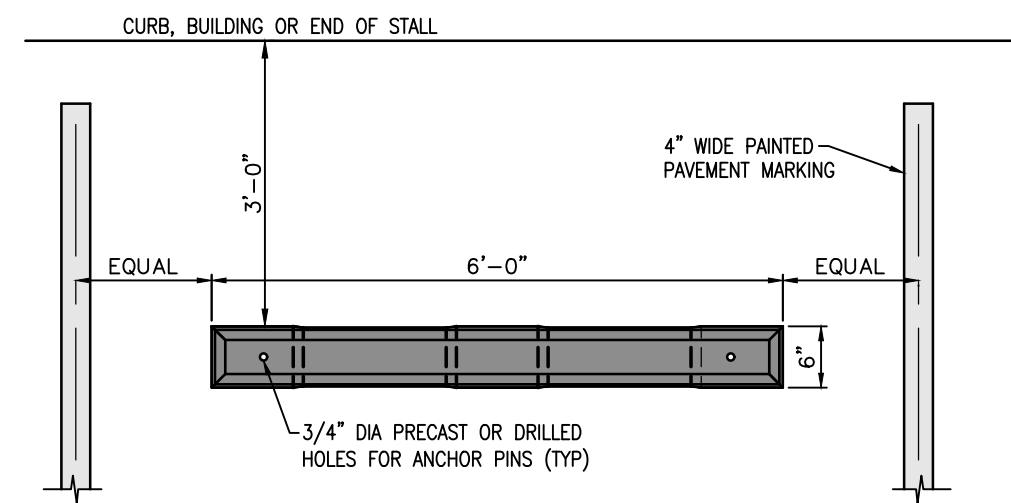


HANDICAP SYMBOL TO BE PAINTED AS SHOWN WITH HIGH INTENSITY WHITE TRAFFIC PAINT PER ADA SPECIFICATIONS.

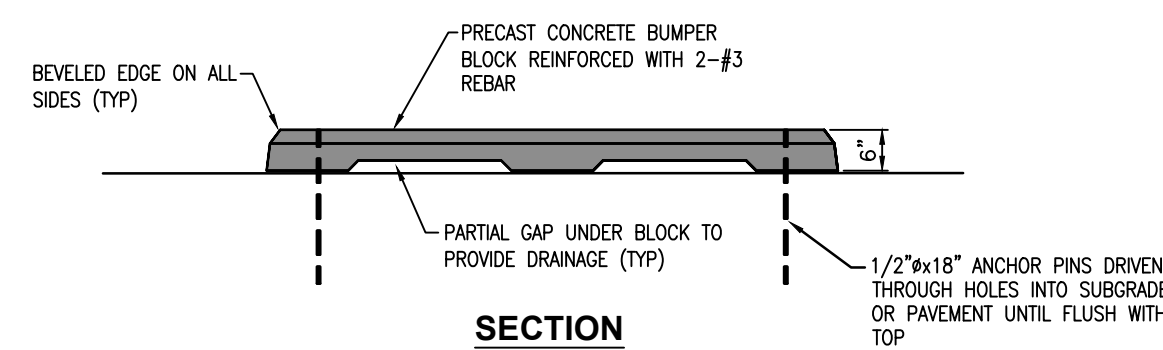


- NOTES:**
- ALL PAVEMENT STRIPING SHALL BE INSTALLED PER LATEST INDOT STANDARDS AND SPECIFICATIONS, AT TIME OF CONSTRUCTION.
 - ALL PAVEMENT STRIPES ARE TO BE 4" WIDE, PAINTED WITH HIGH INTENSITY WHITE TRAFFIC PAINT.
 - PAVEMENT STRIPING FOR AREAS OTHER THAN ACCESS AISLES SHALL BE AT 45°, SPACED MINIMUM 36" ON CENTER.

PAVEMENT MARKING DETAILS
NOT TO SCALE

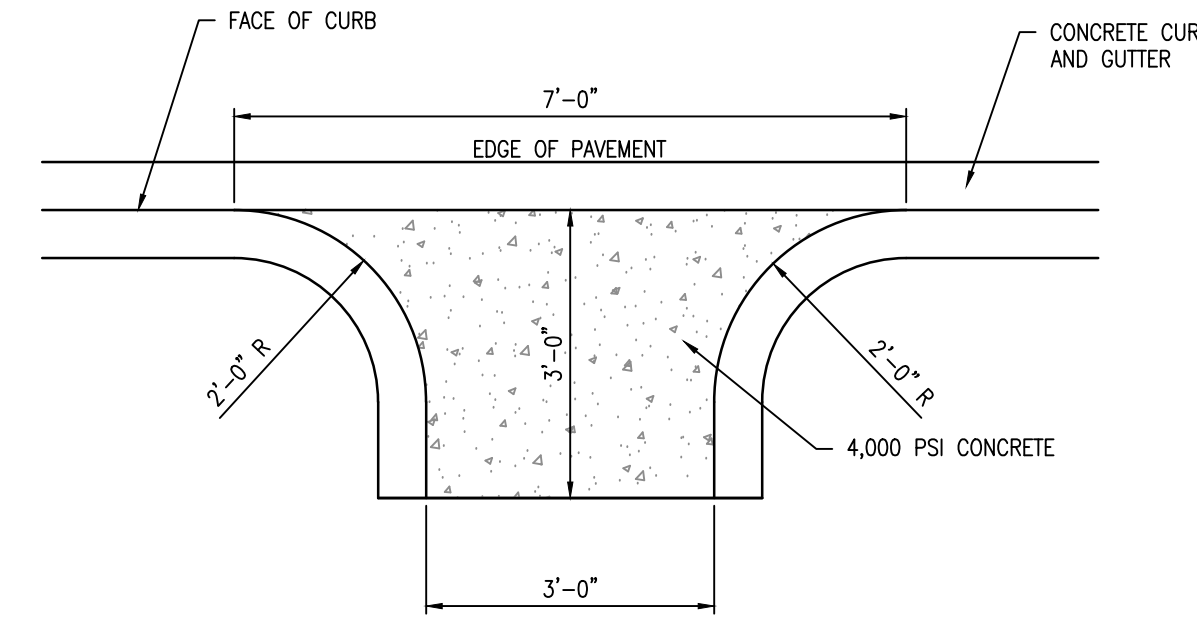


PLAN

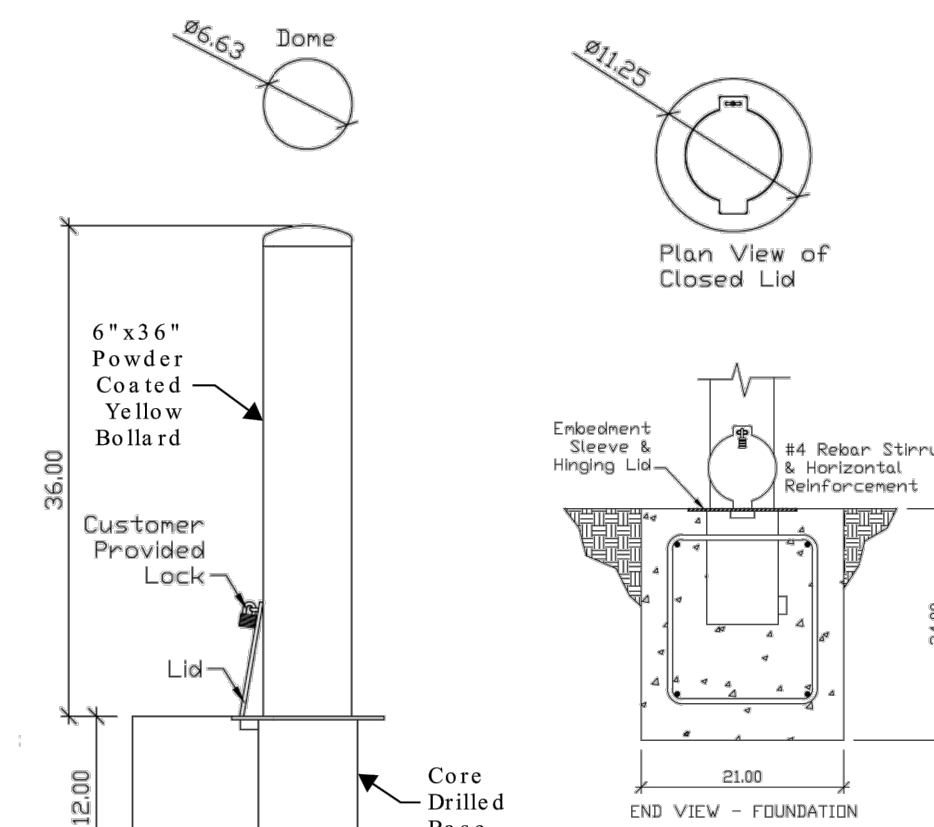


SECTION

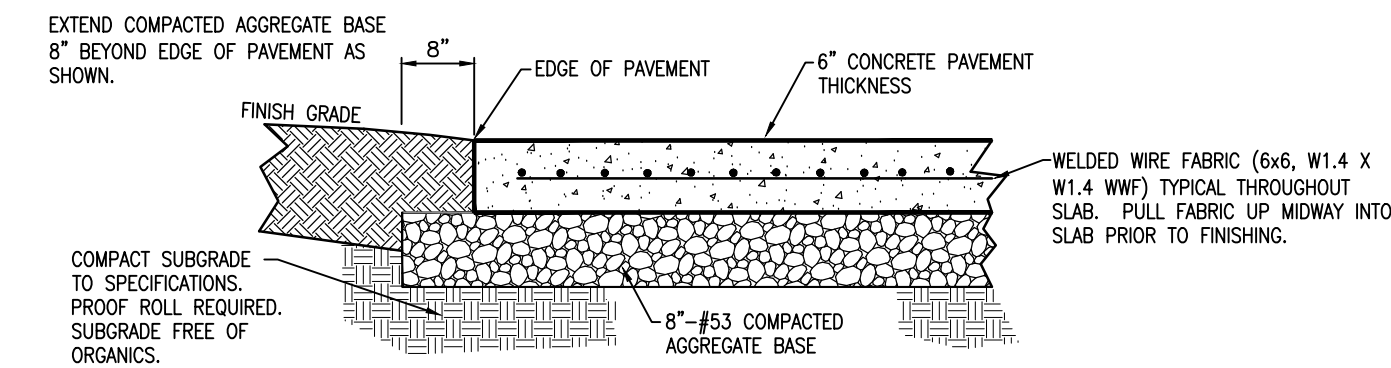
CONCRETE PARKING BUMPER DETAIL
NOT TO SCALE



CONCRETE CURB TURNOUT DETAIL
NOT TO SCALE



REMOVABLE PIPE BOLLARD DETAIL
NOT TO SCALE



HEAVY DUTY CONCRETE PAVEMENT SECTION
NOT TO SCALE

REVISIONS		
NUMBER	DESCRIPTION & DATE	BY
1	ADDENDUM #1 06/09/23	RR

HWC ENGINEERING
INDIANAPOLIS - TERRE HAUTE
LAFAYETTE - MUNCIE - NEW ALBANY
www.hwcengineering.com

**CENTRAL ELEMENTARY SCHOOL PARKING LOT
GREENCASTLE, IN
CONSTRUCTION DETAILS**



Ryan A. Robinson

DRAWN BY EW	JOB NUMBER 2023-046-S
CHECKED BY RR	
DATE JANUARY 29, 2024	SCALE AS SHOWN
SHEET	

C9.0
CONSTRUCTION DETAILS