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	REBAR FOUND 5/8" Ø REBAR WIT PLASTIC CAP STA "WEIHE ENGR. 00 HARRISON MONU PK OR MAG NAIL MAG NAIL WITH W STAMPED "WEIHE STONE FOUND OTHER MONUME BENCH MARK TEMPORARY BEN WATER VALVE	MPED 12" SET JMENT FOUND FOUND VASHER E ENGR. 0012" SET NT	✓ <p< th=""><th>COMMUNICATIONS PE BEEHIVE INLET POST MAIL BOX CORRUGATED META REINFORCED CONCF POLYVINYL CHLORID INVERT</th><th>EDESTAL L PIPE RETE PIPE IE PIPE</th><th>10505 N College Avenue</th></p<>	COMMUNICATIONS PE BEEHIVE INLET POST MAIL BOX CORRUGATED META REINFORCED CONCF POLYVINYL CHLORID INVERT	EDESTAL L PIPE RETE PIPE IE PIPE	10505 N College Avenue
	FIRE HYDRANT WATER METER GAS METER GAS VALVE	- UNDERGROUND - UNDERGROUND		MEASURED DIMENSION DEED DIMENSION MARION COUNTY SU		
	они	<ul> <li>UNDERGROUND</li> <li>UNDERGROUND COMMUNICATION</li> <li>MIXED OR UNIDE OVERHEAD UTIL</li> <li>STORM SEWER</li> <li>RIGHT OF WAY L</li> </ul>	NS INTIFIED ITY	→ → → → → → → → → → → → → → → → → → →	<ul> <li>BOARD FENCE</li> <li>VINYL PICKET FENCE</li> <li>FARM FENCE</li> <li>BOUNDARY LINE</li> <li>FLOW LINE</li> <li>SECTION LINE</li> </ul>	

#### GENERAL DEMOLITION NOTES:

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- THE UNDERGROUND UTILITIES DEPICTED ON THE ATTACHED PLAT OF SURVEY ARE AS SHOWN ON A SURVEY PREFORMED BY SCHNEIDER ENGINEERING DATED MARCH 2, 2018. THE PATH OF THE UTILITY LINES SHOWN ON SAID PLAT OF SURVEY SHOULD BE CONSIDERED APPROXIMATE UNTIL THEY ARE EITHER RELOCATED, BY CALLING THE INDIANA UNDERGROUND PLANT PROTECTION SERVICE AT 1-800-382-5544 OR UNTIL THEY ARE EXCAVATED TO VERIFY THE LOCATION AND PATH OF THE UTILITY LINES
- THE BOUNDARY IS BASED ON AN ALTA SURVEY PERFORMED BY SCHNEIDER ENGINEERING. THE TOPOGRAPHIC SURVEY WAS PERFORMED BY SCHNEIDER ENGINEERING DATED MARCH 2, 2018 AND THE ACCURACY WAS VERIFIED BY WEIHE ENGINEERS.

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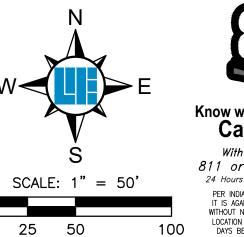
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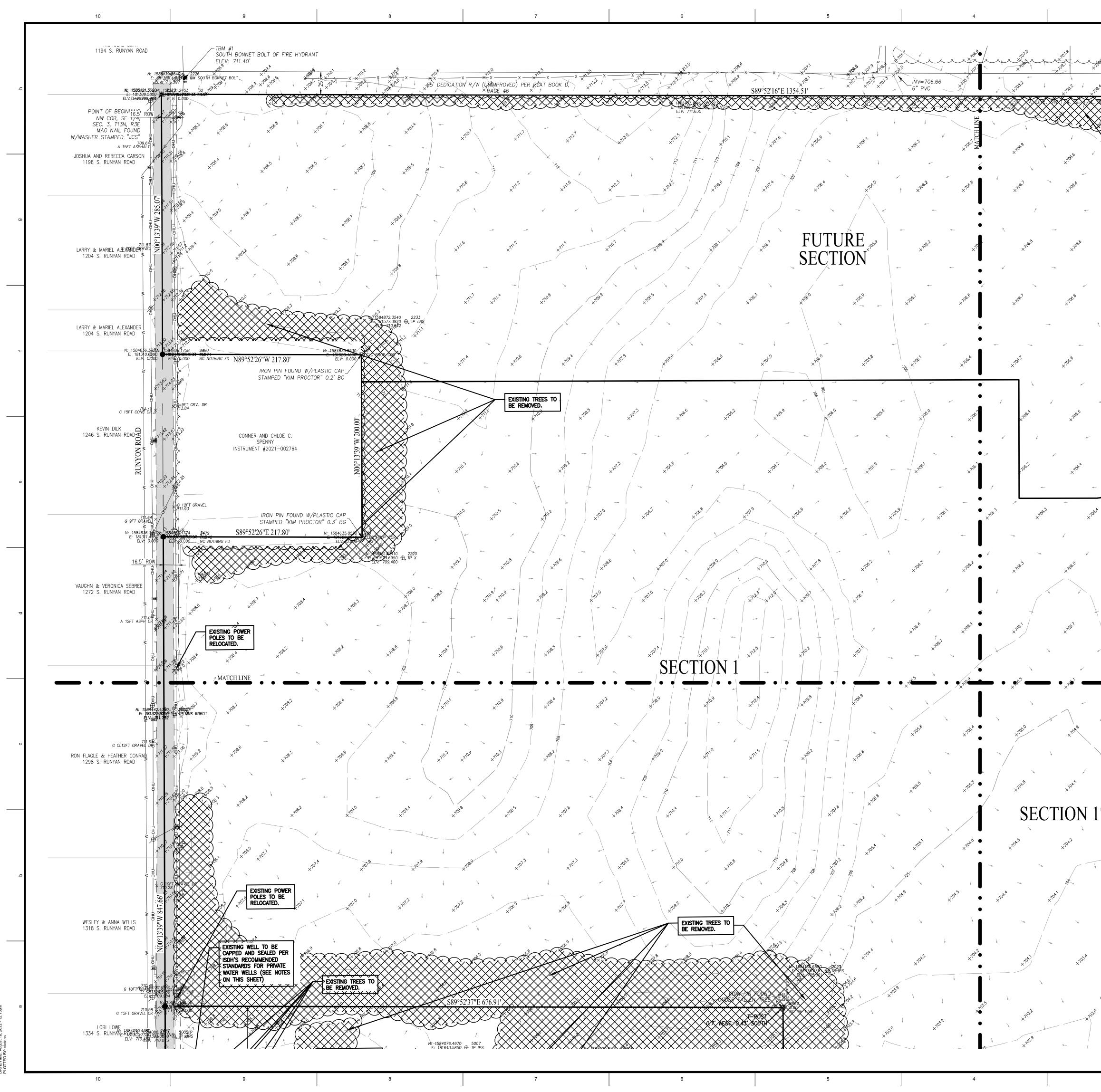
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BENCH MARK TEMPORARY BENCH MARK WATER VALVE FIRE HYDRANT WATER METER GAS METER GAS VALVE	PVC INV (M) (D) MCSO ASPHALT	POLYVINYL CHLORIDE INVERT MEASURED DIMENSIC DEED DIMENSION MARION COUNTY SUF	DN	
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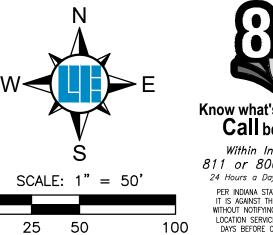
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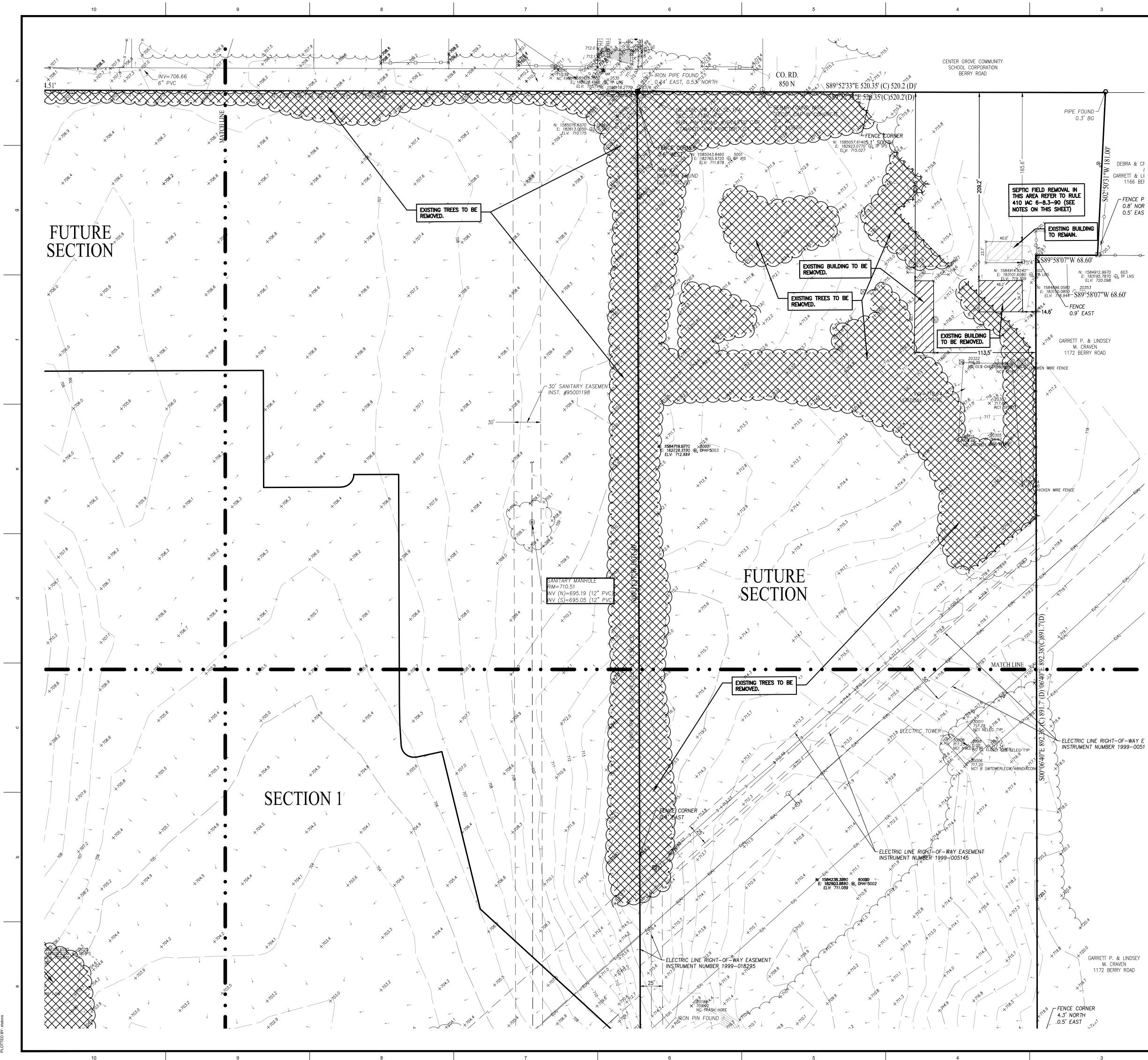
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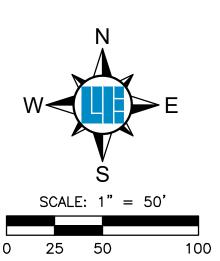
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"WEIHE ENGR (0012": THENCE NORTH 89 DEGREES 48 MINUTES 43 SECONDS EAST FOR A DISTANCE OF 720.12 FEET TO A REBAR SET; THENCE PARALLEL WITH SAID EAST LINE OF SAID QUARTER QUARTER SOUTH 00 DEGREES 11 MINUTES 17 SECONDS EAST FOR A DISTANCE OF 130.00 FEET TO A REBAR SET; THENCE NORTH 89 DEGREES 48 MINUTES 43 SECONDS EAST FOR A DISTANCE OF 86.00 FEET TO A REBAR SET: THENCE ALONG A CURVE TO THE LEFT HAVING A RADIUS OF 14.00 FEET AND AN ARC LENGTH OF 21.99 FEET AND HAVING A LONG CHORD BEARING OF NORTH 44 DEGREES 48 MINUTES 43 SECONDS EAST AND A DISTANCE OF 19.80 FEET TO A REBAR SET; THENCE NORTH 89 DEGREES 48 MINUTES 43 SECONDS EAST FOR A DISTANCE OF 50.00 FEET TO A REBAR SET; THENCE PARALLEL WITH SAID EAST LINE OF SAID QUARTER QUARTER SOUTH 00 DEGREES 11 MINUTES 17 SECONDS EAST FOR A DISTANCE OF 255.26 FEET TO A REBAR SET: THENCE ALONG A CURVE TO THE LEFT HAVING A RADIUS OF 575.00 FEET AND AN ARC LENGTH OF 46.40 FEET AND HAVING A LONG CHORD BEARING OF SOUTH 02 DEGREES 29 MINUTES 59 SECONDS EAST AND A DISTANCE OF 46.39 FEET TO A REBAR SET; THENCE ALONG A CURVE TO THE LEFT HAVING A RADIUS OF

14.00 FEET AND AN ARC LENGTH OF 23.44 FEET AND HAVING A LONG CHORD BEARING OF SOUTH 52 DEGREES 47 MINUTES 09 SECONDS EAST AND A DISTANCE OF 20.80 FEET TO A REBAR SET; THENCE ALONG A CURVE TO THE LEFT HAVING A RADIUS OF 575.00 FEET AND AN ARC LENGTH OF 29.24 FEET AND HAVING A LONG CHORD BEARING OF NORTH 77 DEGREES 47 MINUTES 00 SECONDS EAST AND A DISTANCE OF 29.23 FEET TO A REBAR SET; THENCE SOUTH 13 DEGREES 40 MINUTES 24 SECONDS EAST FOR A DISTANCE OF 180.00 FEET TO A REBAR SET; THENCE SOUTH 47 DEGREES 28 MINUTES 41 SECONDS EAST FOR A DISTANCE OF 241.41 FEET TO THE POINT OF BEGINNING. CONTAINING 26.711 ACRES OF LAND, MORE OR LESS.



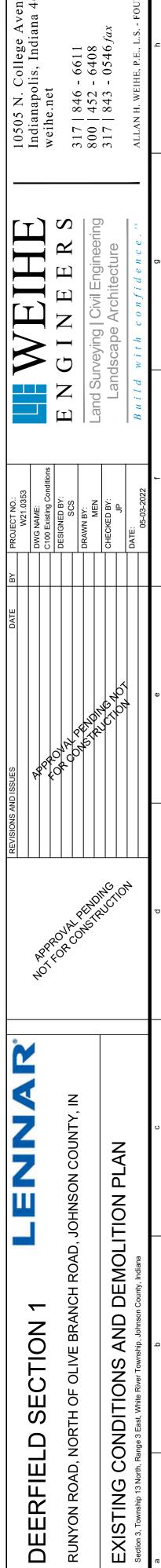


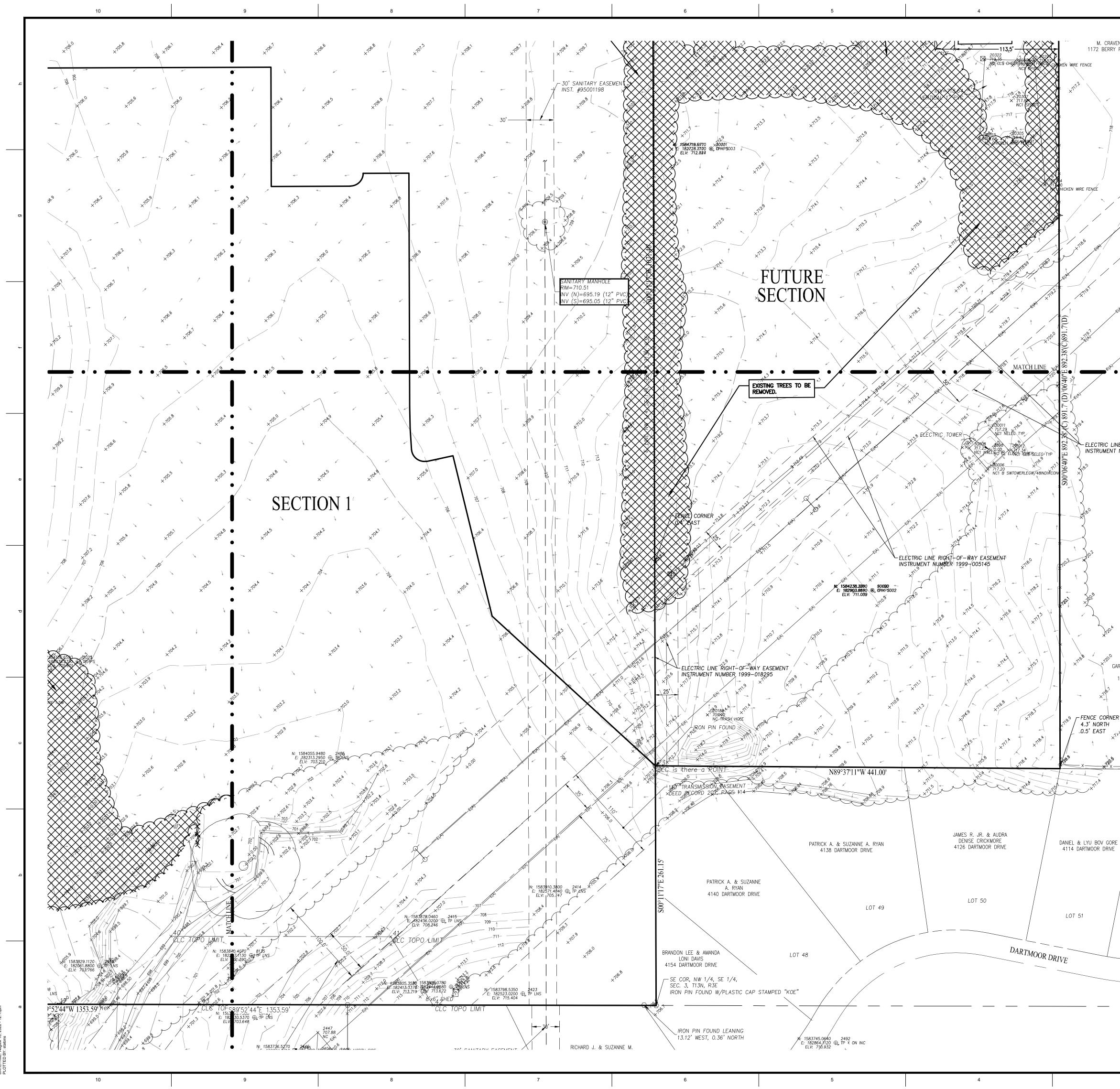
Know what's below. Call before you dig. SHEET NO. Within Indiana Call 811 or 800–382–5544 24 Hours a Day, 7 Days a Week. PER INDIANA STATE LAW IC 8-1-26. IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UNDERGROUND LOCATION SERVICE TWO (2) WORKING DAYS BEFORE COMMENCING WORK.

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W21.0353

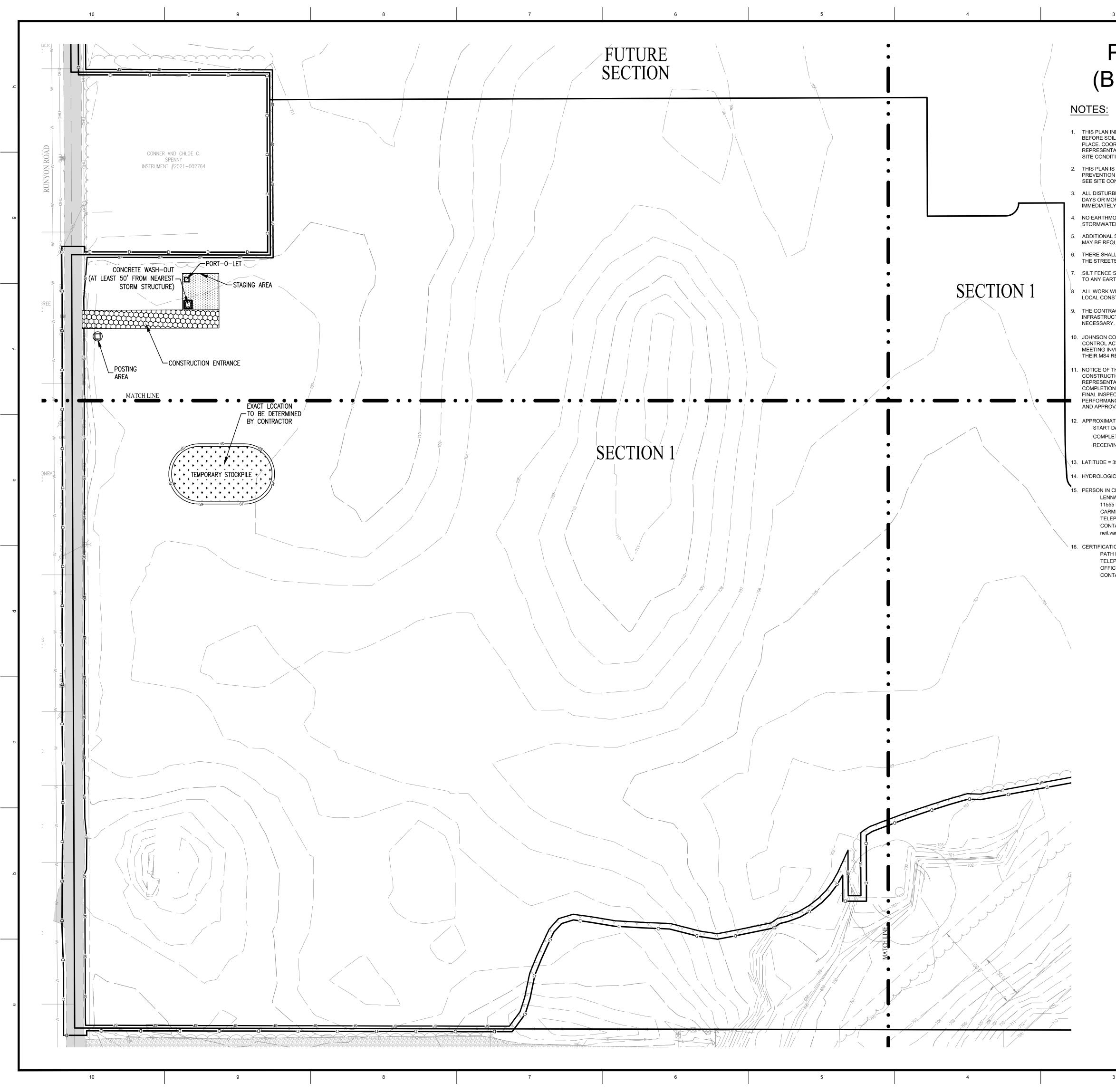
ROJECT NO.





DN: H/2021(W210353)Section 10(Engineering\design\conset\C100 Existing Conditions.d : C103 ME - Automated B - 2022 - 42-45mm

. CRAVEN BERRY ROAD	<ul> <li>REBAR FOUND</li> <li>S/8" Ø REBAR WITH YELLOW</li> <li>PLASTIC CAP STAMPED "WEIHE ENGR. 0012" SET</li> <li>HARRISON MONUMENT FOUND</li> <li>PK OR MAG NAIL FOUND</li> <li>DK OR MAG NAIL FOUND</li> </ul>	ollege Avenue s, Indiana 46280 6611 6408 0546 <i>fax</i> E. P.E., L.S FOUNDER
812	<ul> <li>MAG NAIL WITH WASHER STAMPED "WEIHE ENGR. 0012" SET</li> <li>STONE FOUND</li> <li>OTHER MONUMENT</li> <li>BENCH MARK</li> <li>TEMPORARY BENCH MARK</li> <li>WATER VALVE</li> <li>FIRE HYDRANT</li> <li>BEECH WEIHE ENGR. 0012" SET</li> <li>MAIL BOX</li> <li>MAIL BOX</li> <li>MAIL BOX</li> <li>CMP CORRUGATED METAL PIPE</li> <li>RCP REINFORCED CONCRETE PIPE</li> <li>INV INVERT</li> <li>MAIL BOX</li> </ul>	10505 N. Co         Indianapolis         weihe.net         317   846 - 6         800   452 - 6         317   843 - 0         317   843 - 0
ERAN ERAN	Image: Water meter       (D)       DEED DIMENSION         Image: Gas meter       MCSO       MARION COUNTY SURVEYOR'S OFFICE         Image: Gas valve       Asphalt       Image: Gas valve       Concrete (conc)         Image: Gas valve         Image: Gas valve       Image: Gas valve       Image: Gas valve       Image: Gas valve       Image: Gas valve       Image: Gas valve         Image: Gas valve       Image: Gas valve       Image: Gas valve       Image: Gas valve       Image: Gas valve       Image: Gas valve         Image: Gas valve       Image: Gas valve       Image: Gas valve       Image: Gas valve       Image: Gas valve       Image: Gas valve       Image: Gas valve         Image: Gas valve       Image: Gas va	VELHERS VGINEERS Surveying   Civil Engineering andscape Architecture
ELAN 1. 2. 3. 4. 5. 6. 7.	ENERAL DEMOLITION NOTES: IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY LOCATIONS OF ALL EXISTING UTILITIES PERTAINING TO THEIR PHASE OF WORK. LOCATIONS OF UTILITIES NOTED TO BE REMOVED ARE APPROXIMATE AND SHALL BE RELOCATED, CAPPED AND/OR ABANDONED PRIOR TO CONSTRUCTION. ALL DEMOLITION MATERIAL AND SALVAGEABLE MATERIAL ARE THE PROPERTY OF THE DEMOLITION CONTRACTOR AND SHALL BE PROPERLY DISPOSED OF OFFSITE. THE CONTRACTOR SHALL OBTAIN ALL DEMOLITION PERMITS REQUIRED BY LOCAL AND STATE AGENCIES. THE CONTRACTOR SHALL REMOVE ALL EXISTING FENCES LOCATED INTERNALLY ON SITE. PERIMETER FENCES TO BE REMOVED ARE TO BE CONFIRMED BY OWNER. THE CONTRACTOR SHALL MAINTAIN STREETS FREE AND CLEAR OF SEDIMENT AND DEBRIS. ALL EXISTING FIELD TILES ARE TO BE CONNECTED TO THE PROPOSED STORM SYSTEM. CONTACT ENGINEER FOR DIRECTION. ENERGY OF THE FLOOD HAZARD DATA SHOWN ON THIS REPORT IS SUBJECT TO MAP SCALE	BY     PROJECT NO.:       W21.0353     W21.0353       DWG NAME:     W21.0353       DWG NAME:     C100 Existing Conditions       DFSIGNED BY:     DESIGNED BY:       DRAWN BY:     MEN       CHECKED BY:     MEN       DATE:     D5-03-2022
RIC LINE RIGHT-OF-WAY E JMENT NUMBER 1999-0051 2. 3. 4. <b>RI</b> <u>6-</u> IN 410	THE ACCURACY OF THE FLOOD HAZARD DATA SHOWN ON THIS REPORT IS SUBJECT TO MAY SCALE UNCERTAINTY AND TO ANY OTHER UNCERTAINTY IN LOCATION OR ELEVATION ON THE REFERENCED FLOOD INSURANCE RATE MAP. ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP OF JOHNSON COUNTY, INDIANA, COMMUNITY #180111, MAP #18081C0106E DATED JANUARY 29, 2021, THE DESCRIBED REAL ESTATE LIES WITHIN THE UNSHADED ZONE "X," WHICH ARE AREAS DETERMINED TO BE OUTSIDE 500-YEAR FLOODPLAIN. THE UNDERGROUND UTILITIES DEPICTED ON THE ATTACHED PLAT OF SURVEY ARE AS SHOWN ON A SURVEY PREFORMED BY SCHNEIDER ENGINEERING DATED MARCH 2, 2018. THE PATH OF THE UTILITY LINES SHOWN ON SAID PLAT OF SURVEY SHOULD BE CONSIDERED APPROXIMATE UNTIL THEY ARE EITHER RELOCATED, BY CALLING THE INDIANA UNDERGROUND PLANT PROTECTION SERVICE AT 1-800-332-5544 OR UNTIL THEY ARE EXCAVATED TO VERIFY THE LOCATION AND PATH OF THE UTILITY LINES. THE BOUNDARY IS BASED ON AN ALTA SURVEY PERFORMED BY SCHNEIDER ENGINEERING. THE DOPOGRAPHIC SURVEY WAS PERFORMED BY SCHNEIDER ENGINEERING DATED MARCH 2, 2018 AND THE ACCURACY WAS VERIFIED BY WEIHE ENGINEERS.	REVISIONS AND ISSUES DATE
M. CRAVEN 1172 BERRY ROAD C.	<ul> <li>REMOVED.</li> <li>(3) A LICENSED SEPTIC TANK CLEANER MUST PUMP ALL CONTENTS FROM ALL TANKS IN THE ON-SITE SEWAGE SYSTEM.</li> <li>(4) THE TANKS MUST EITHER BE: (A) REMOVED OR THE LIDS CRUSHED INTO THE TANKS AND THE HOLES OR TANKS BACKFILLED WITH DEBRIS-FREE SAND OR OTHER GRANULAR MATERIAL, CONCRETE, OR SOIL MATERIAL THAT IS COMPACTED TO PREVENT SETTLING. (IF A SAND MOUND IS BEING ABANDONED, SAND, AGGREGATE AND SOIL COVER FROM THE SAND MOUND MAY BE USED FOR FILLING THE TANK OR TANKS); OR (B) FILLED WITH FLOWABLE FILL.</li> <li>(5) PROPERLY GRADE AND ESTABLISH VEGETATIVE COVER.</li> <li>THE COMPONENTS OF THE SOIL ABSORPTION SYSTEM MAY BE LEFT INTACT, IF THERE ARE NO PLANS TO USE THE AREA FOR OTHER PURPOSES. VEGETATIVE COVER MUST BE MAINTAINED.</li> <li>IF EFFLUENT HAS SURFACED, THOSE AREAS MUST BE COVERED WITH HYDRATED LIME FOLLOWED BY TOP SOIL AND A VEGETATIVE COVER.</li> </ul>	APPROVAL PENDINGION APPROVACINSTRUCTION NOTFORCONSTRUCTION
CORNER RTH ST x <sup>12,5,5</sup> E.	<ul> <li>PROCEDURE MUST BE USED:</li> <li>(1) A LICENSED SEPTIC TANK CLEANER MUST PUMP ALL CONTENTS FROM ALL DISTRIBUTION BOXES IN THE ON-SITE SEWAGE SYSTEM.</li> <li>(2) ALLOW SUFFICIENT TIME AFTER THE ON-SITE SEWAGE SYSTEM IS TAKEN OUT OF SERVICE AND THE TANKS PUMPED TO MAKE SURE THE ENTIRE SOIL ABSORPTION SYSTEM IS COMPLETELY DRY.</li> <li>(3) A CONTRACTOR MUST REMOVE THE DISTRIBUTION NETWORK, AGGREGATE, AND SAND (IF ANY) FROM THE SITE.</li> <li>(4) THE CONTRACTOR MUST DISPOSE OF THE MATERIALS AT A LICENSED LANDFILL.</li> <li>(5) THE SITE MUST BE PROPERLY GRADED AND A VEGETATIVE COVER ESTABLISHED.</li> <li>WRITTEN DOCUMENTATION OF TANK ABANDONMENT MUST BE PROVIDED TO THE LOCAL HEALTH DEPARTMENT BY THE DEVELOPER IN THE FORM OF A RECEIPT FROM THE CONTRACTOR.</li> </ul>	IN 1 LENNAR BRANCH ROAD, JOHNSON COUNTY, IN ND DEMOLITION PLAN
DRIVE 4102 DAR	N N N N N N N N N N N N N N N N N N N	DEERFIELD SECTION 1 RUNYON ROAD, NORTH OF OLIVE BRANCH ROA EXISTING CONDITIONS AND DEMC section 3, Township 13 North, Range 3 East, White River Township, Johnson County, Indiana
3	S $SCALE: 1" = 50'$ $Call before you dig.$ $Within Indiana Call$ $811 or 800-382-5544$ $24 Hours a Day, 7 Days a Week.$ PER INDIANA STATE LAW IC 8-1-26. IT IS AGAINST THE UNDERGROUND LOCATION SERVICE TWO (2) WORKING DAYS BEFORE COMMENCING WORK. 2 1	SHEET NO. C103 PROJECT NO. W21.0353



THIS PLAN INDICATES EROSION CONTROL MEASURES REQUIRED BEFORE SOIL STRIPPING AND PAD CONSTRUCTION IS TAKING PLACE. COORDINATE WITH SOIL CONSERVATION DISTRICT REPRESENTATIVE FOR ANY OTHER MEASURES REQUIRED DUE TO SITE CONDITIONS.

2. THIS PLAN IS TO BE USED FOR STORMWATER POLLUTION PREVENTION PURPOSES ONLY. FOR ANY OTHER INFORMATION SEE SITE CONSTRUCTION PLANS AND DETAILS.

3. ALL DISTURBED AREAS THAT WILL BE POTENTIALLY IDLE FOR 15 DAYS OR MORE TO BE STABILIZED (SEEDED, MULCHED, ETC) IMMEDIATELY.

NO EARTHMOVING MAY TAKE PLACE WITHOUT AN APPROVED STORMWATER POLLUTION PREVENTION PLAN.

ADDITIONAL STORMWATER POLLUTION PREVENTION MEASURES MAY BE REQUIRED IN THE FIELD BY THE MS4 REPRESENTATIVE. THERE SHALL BE NO DIRT, DEBRIS OR STORAGE OF MATERIALS IN

THE STREETS. SILT FENCE SHALL BE PLACED AS SHOWN ON THE PLANS PRIOR

TO ANY EARTHWORK. ALL WORK WITHIN THE RIGHT-OF-WAY SHALL MEET CURRENT

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JOHNSON COUNTY IS THE REVIEW AUTHORITY FOR THE EROSION CONTROL ACTIVITIES REQUIRING CONTACT, PRE-CONSTRUCTION MEETING INVITATION, SELF-MONITORING REPORT DELIVERY TO THEIR MS4 REPRESENTATIVE.

NOTICE OF THE SCHEDULED DATE FOR COMPLETION OF CONSTRUCTION SHALL BE PROVIDED TO THE MS4 REPRESENTATIVE AT LEAST SEVENTY TWO (72) HOURS PRIOR TO COMPLETION. THE CONTRACTOR OR OWNER WILL SCHEDULE THE FINAL INSPECTION; THE STORM DRAIN AND SITE GRADING PERFORMANCE SURETIES WILL BE RELEASED AFTER SUBMITTAL AND APPROVAL

. APPROXIMATE CONSTRUCTION SCHEDULE: START DATE: July , 2022 COMPLETION DATE: July , 2027 RECEIVING WATERS = Turkey Pen Creek

13. LATITUDE = 39° 35' 52" N, LONGITUDE = 86° 11' 05" W

14. HYDROLOGIC UNIT CODE: 05120201140010

- PERSON IN CHARGE OF SWPPP IMPLEMENTATION LENNAR HOMES OF INDIANA, LLC 11555 N. MERIDIAN STREET, SUITE 400 CARMEL, INDIANA 46032 TELEPHONE: (317) 339-9936
  - CONTACT PERSON: NEIL VAN TREES neil.vantrees@lennar.com

16. CERTIFICATION INSPECTOR: PATH LIGHT PRO

TELEPHONE: (404)312-4707 OFFICE: (407)604-355 CONTACT PERSON: KRISTIN MORETZ

## LEGEND

	CONSTRUCTION ENTRANCE (8" OF #2 STONE ON NON-WOVEN GEOTEXTILE FABRIC)				
	STAGING AREA (8" OF #2 STONE ON NON-WOVEN GEOTEXTILE FABRIC)				
	POSTING AREA - 4" PVC TUBE WITH END CAPS ATTACHED TO PROJECT CONSTRUCTION SIGN TO CONTAIN APPROVED CONSTRUCTION DRAWINGS AND PERMITS FOR INSPECTORS.				
SF	SHEET FLOW PROTECTION (MAY INCLUDE SILT FENCE, STRAW WATTLES, COIR LOGS, OR VEGETATIVE BUFFER AS CONDITIONS WARRANT)				
	CONCRETE WASHOUT				
D	LIMITS OF CONSTRUCTION				
(P)	PROPOSED INLET PROTECTION (DANDY SACKS AND WIRE SILT FENCES) FOR EXISTING STRUCTURES REQUIRED. (SEE DETAILS ON SHEET C207)				
	ROCK CHECK DAM				
<b>o</b>	TREE PROTECTION FENCE				
DISTURBED ACREAGE =					
42.37 ± AC.					

### PRE CONSTRUCTION ACTIVITIES

- 1. CALL THE INDIANA UNDERGROUND PLANT PROTECTION SYSTEMS, INC. ("HOLEY MOLEY") AT 811 TWO WORKING DAYS BEFORE CONSTRUCTION BEGINS TO CHECK THE LOCATIONS OF ANY EXISTING UTILITIES.
- 2. CONTACT THE MS4 STORMWATER DEPARTMENT INSPECTOR TO SCHEDULE A PRE-CONSTRUCTION MEETING AT LEAST 3 WORKING DAYS PRIOR TO THE START OF CONSTRUCTION.
- 3. CONTACT IDEM AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.
- 4. INSTALL SILT FENCE AT THE EDGES OF THE PROJECT SITE WHERE THERE IS POTENTIAL FOR ANY STORMWATER RUNOFF AS DENOTED ON THE STORMWATER POLLUTION PREVENTION PLAN. POTENTIAL AREAS ARE IDENTIFIED BASED ON EXISTING TOPOGRAPHY AROUND THE PERIMETER OF THE SITE.
- 5. INSTALL INLET PROTECTION ON ALL EXISTING STORM SEWER STRUCTURES WITHIN THE CONSTRUCTION LIMITS OF THE PROJECT AS INDICATED ON THE PLANS.
- 6. EVALUATE, MARK AND PROTECT IMPORTANT TREES AND ASSOCIATED ROOT ZONES. EVALUATE EXISTING VEGETATION SUITABLE FOR USE AS FILTER STRIPS ALONG THE PERIMETER OF THE SITE.
- 7. INSTALL CONSTRUCTION ENTRANCE IN THE LOCATION SHOWN ON THE PLANS AND PER SPECIFICATIONS.
- 8. ESTABLISH CONSTRUCTION STAGING AREA FOR EQUIPMENT AND VEHICLES AS FAR FROM DETENTION PONDS AND SWALES AS POSSIBLE.
- 9. INSTALL TRASH DUMPSTER, CONCRETE WASHOUT AREA AND PLACE PORT-O-LET AS INDICATED ON THE PLANS. 10. ESTABLISH ONSITE LOCATION FOR OWNER/CONTRACTOR
- PLACEMENT OF APPROVED PLANS, RULE 5 NOI AND RULE 5 INSPECTION DOCUMENTS.
- 11. CONTACT THE MS4 REPRESENTATIVE TO CONDUCT INITIAL EROSION INSPECTION BEFORE MASS EARTHWORK.

### CONSTRUCTION SEQUENCING

THE PURPOSE OF STAGING CONSTRUCTION DURING THE PROJECT IS TO LIMIT THE AMOUNT OF GROUND DISTURBED AT ANY GIVEN TIME AND TO PREVENT SEDIMENT FROM LEAVING THE SITE. THE FOLLOWING SEQUENCE OF CONSTRUCTION SHOULD BE FOLLOWED AS MUCH AS POSSIBLE. ANY DEWATERING REQUIRED DURING CONSTRUCTION OF THIS PROJECT SHALL BE DONE THROUGH A "DANDY" DEWATERING BAG OR APPROVED EQUAL. DO NOT PLACE DEWATERING BAG WITHIN 50 FEET OF A SWALE, DITCH OR CREEK.

- 1. CLEAR AND STRIP AT POND OUTLET AREAS. 2. INSTALL POND OUTLETS.
- 3. INSTALL POND MOUNDING AT DOWNSTREAM LOCATIONS STARTING AT DOWNSLOPE SIDES. 4. CONSTRUCT PONDS.
- 5. CONTINUE SITE CLEARING.
- 6. STRIP TOPSOIL OR SOIL CONTAINING VEGETATION AND ROOT FIBERS FROM STREET AND BUILDING PAD AREAS AND PLACE IN TOPSOIL STOCKPILE AREA AS NOTED ON THE PLANS. 7. COMPLETE ALL MASS GRADING REQUIRED TO PREPARE ROADS, BUILDING SUBGRADES AND PADS. IF LIME OR OTHER SOLID ADDITIVES WILL BE USED TO STABILIZE THE STREET SUBGRADE,
- APPLY BEFORE ANY STORM SEWER INSTALLATION. 8. INSTALL ALL STORM SEWER SYSTEMS, SANITARY SEWER SYSTEMS, WATER DISTRIBUTION SYSTEMS AND OTHER UTILITIES. INSTALL ALL INLET PROTECTION AS EACH INLET IS COMPLETED AS SHOWN ON THE PLANS AND THE DETAIL SHEETS.
- 9. COMPLETE GRADING FOR ALL BUILDING AREAS AND ROAD SUBGRADES AS SHOWN ON THE PLANS.

SCALE:

25 50

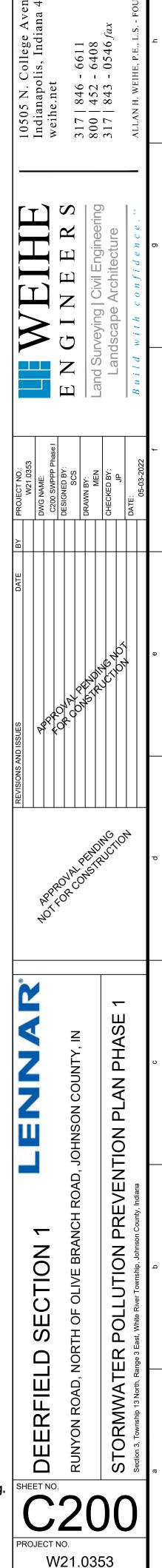
- 10. INSTALL CURBING, AND PAVE ALL ROADS 11.INSTALL TEMPORARY SEEDING IN ALL GRADED AREAS THAT WILL NOT BE DISTURBED FOR 14 DAYS OR MORE. POND BANKS SHALL RECEIVE PERMANENT SEED AND EROSION CONTROL BLANKET AS SHOWN ON THE PLANS. 12. FINISH GRADE ALL SWALES. APPLY PERMANENT SEED AND
- EROSION CONTROL BLANKETS AS SHOWN ON THE PLANS. 13. PREPARE SEED BED AND APPLY PERMANENT SEED IN ALL COMMON
- AREAS AND EASEMENT AREAS AS DENOTED ON THE PLANS. 14. CLEAN AND MAINTAIN ALL INLET PROTECTION, SILT FENCE, EROSION CONTROL BLANKETS, TEMPORARY SILTATION BASINS AND TEMPORARY SEEDING AREAS UNTIL THE PROJECT IS COMPLETELY BUILT OUT.
- 15.IF SEEDED AREAS DO NOT PRODUCE A MINIMUM OF 70 PERCENT VEGETATIVE COVER, CONTRACTOR SHALL RE-SEED TO OBTAIN ADEQUATE VEGETATIVE COVER FOR STABILIZATION OF THE SITE. 16. REMOVE ALL TEMPORARY EROSION CONTROL PRACTICES INCLUDING SILT FENCE WHEN ENTIRE SITE HAS REACHED 70 PERCENT VEGETATIVE COVER.

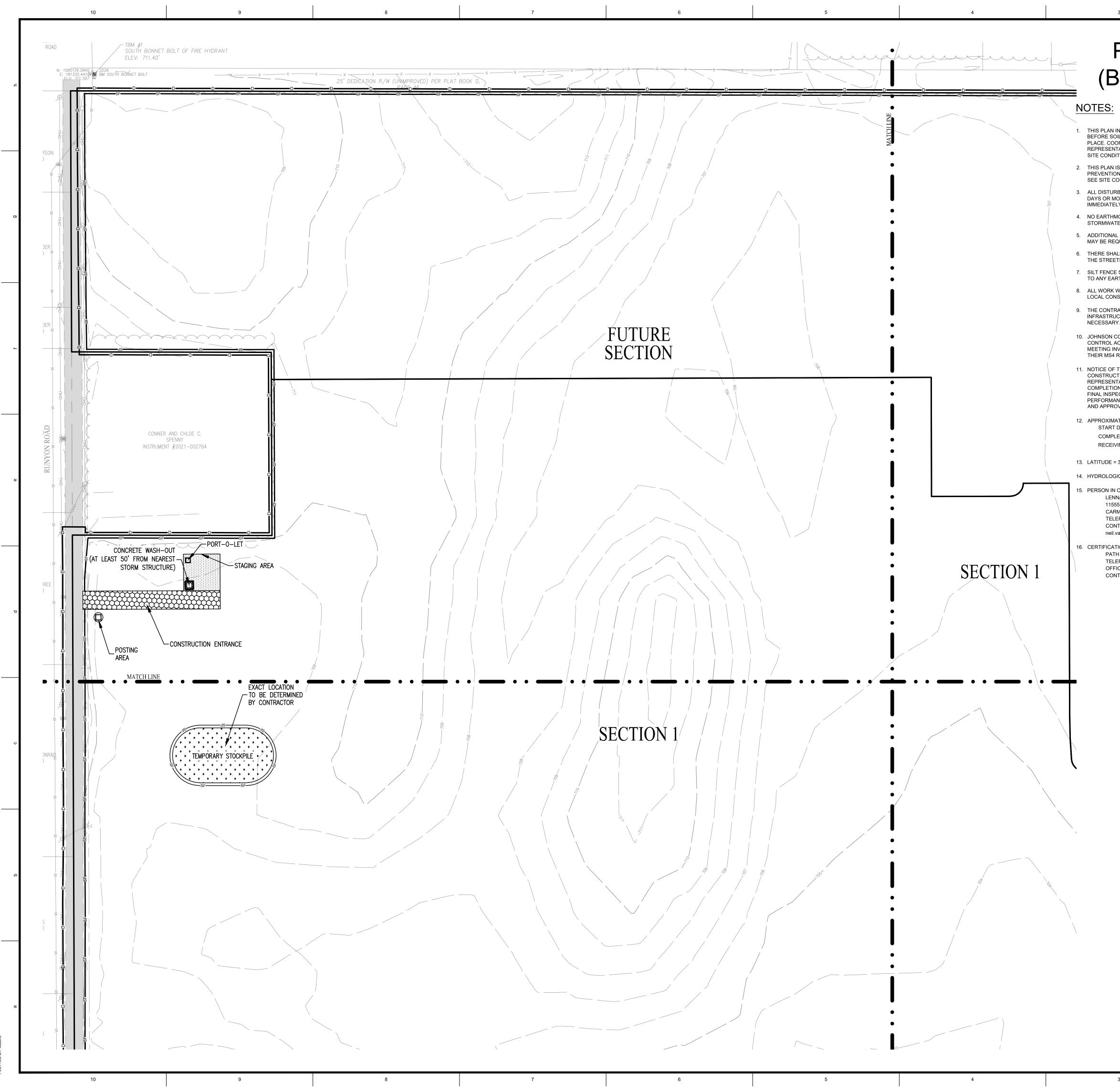


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TO ANY EARTHWORK. 8. ALL WORK WITHIN THE RIGHT-OF-WAY SHALL MEET CURRENT

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16. CERTIFICATION INSPECTOR: PATH LIGHT PRO

TELEPHONE: (404)312-4707 OFFICE: (407)604-355 CONTACT PERSON: KRISTIN MORETZ

## LEGEND

	-	CONSTRUCTION ENTRANCE (8" OF #2 STONE ON NON-WOVEN GEOTEXTILE FABRIC)
	-	STAGING AREA (8" OF #2 STONE ON NON-WOVEN GEOTEXTILE FABRIC)
	-	POSTING AREA - 4" PVC TUBE WITH END CAPS ATTACHED TO PROJECT CONSTRUCTION SIGN TO CONTAIN APPROVED CONSTRUCTION DRAWINGS AND PERMITS FOR INSPECTORS.
SF	-	SHEET FLOW PROTECTION (MAY INCLUDE SILT FENCE, STRAW WATTLES, COIR LOGS, OR VEGETATIVE BUFFER AS CONDITIONS WARRANT)
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D	-	LIMITS OF CONSTRUCTION
(IP)	-	PROPOSED INLET PROTECTION (DANDY SACKS AND WIRE SILT FENCES) FOR EXISTING STRUCTURES REQUIRED. (SEE DETAILS ON SHEET C207)
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- 4. INSTALL SILT FENCE AT THE EDGES OF THE PROJECT SITE WHERE THERE IS POTENTIAL FOR ANY STORMWATER RUNOFF AS DENOTED ON THE STORMWATER POLLUTION PREVENTION PLAN. POTENTIAL AREAS ARE IDENTIFIED BASED ON EXISTING TOPOGRAPHY AROUND THE PERIMETER OF THE SITE.
- 5. INSTALL INLET PROTECTION ON ALL EXISTING STORM SEWER STRUCTURES WITHIN THE CONSTRUCTION LIMITS OF THE PROJECT AS INDICATED ON THE PLANS.
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- 1. CLEAR AND STRIP AT POND OUTLET AREAS. 2. INSTALL POND OUTLETS.
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- 5. CONTINUE SITE CLEARING.
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- 9. COMPLETE GRADING FOR ALL BUILDING AREAS AND ROAD SUBGRADES AS SHOWN ON THE PLANS.

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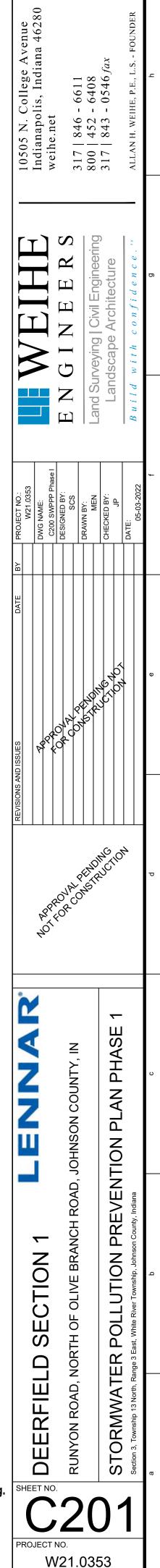
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- 15.IF SEEDED AREAS DO NOT PRODUCE A MINIMUM OF 70 PERCENT VEGETATIVE COVER, CONTRACTOR SHALL RE-SEED TO OBTAIN ADEQUATE VEGETATIVE COVER FOR STABILIZATION OF THE SITE. 16. REMOVE ALL TEMPORARY EROSION CONTROL PRACTICES INCLUDING SILT FENCE WHEN ENTIRE SITE HAS REACHED 70 PERCENT VEGETATIVE COVER.

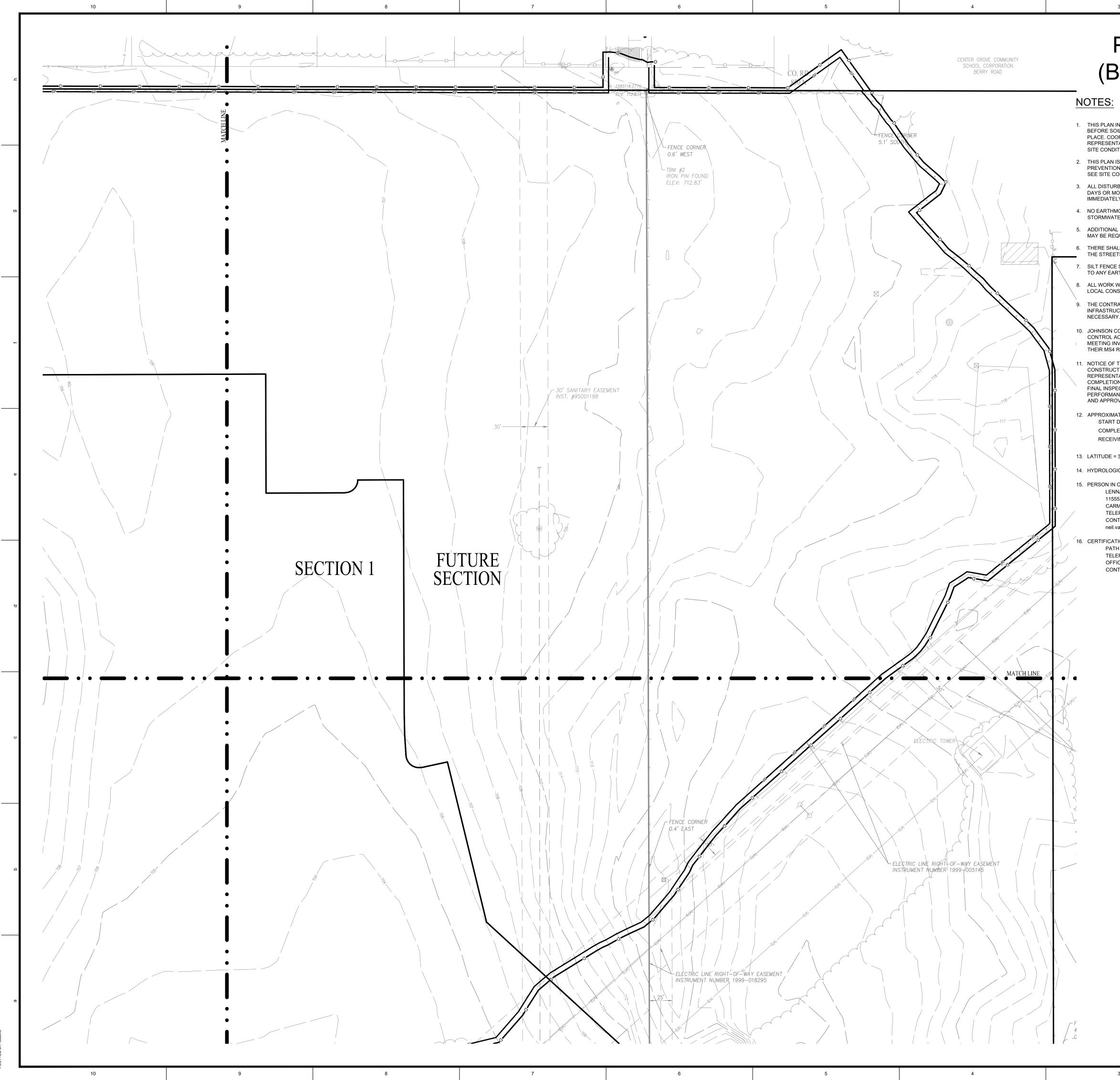
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10. JOHNSON COUNTY IS THE REVIEW AUTHORITY FOR THE EROSION CONTROL ACTIVITIES REQUIRING CONTACT, PRE-CONSTRUCTION MEETING INVITATION, SELF-MONITORING REPORT DELIVERY TO THEIR MS4 REPRESENTATIVE.

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12. APPROXIMATE CONSTRUCTION SCHEDULE: START DATE: July , 2022 COMPLETION DATE: July , 2027 RECEIVING WATERS = Turkey Pen Creek

13. LATITUDE = 39° 35' 52" N, LONGITUDE = 86° 11' 05" W

14. HYDROLOGIC UNIT CODE: 05120201140010

- 15. PERSON IN CHARGE OF SWPPP IMPLEMENTATION: LENNAR HOMES OF INDIANA, LLC 11555 N. MERIDIAN STREET, SUITE 400 CARMEL, INDIANA 46032 TELEPHONE: (317) 339-9936
  - CONTACT PERSON: NEIL VAN TREES neil.vantrees@lennar.com

16. CERTIFICATION INSPECTOR: PATH LIGHT PRO

TELEPHONE: (404)312-4707 OFFICE: (407)604-355 CONTACT PERSON: KRISTIN MORETZ

## LEGEND

	-	CONSTRUCTION ENTRANCE (8" OF #2 STONE ON NON-WOVEN GEOTEXTILE FABRIC)
	-	STAGING AREA (8" OF #2 STONE ON NON-WOVEN GEOTEXTILE FABRIC)
	-	POSTING AREA - 4" PVC TUBE WITH END CAPS ATTACHED TO PROJECT CONSTRUCTION SIGN TO CONTAIN APPROVED CONSTRUCTION DRAWINGS AND PERMITS FOR INSPECTORS.
SF	-	SHEET FLOW PROTECTION (MAY INCLUDE SILT FENCE, STRAW WATTLES, COIR LOGS, OR VEGETATIVE BUFFER AS CONDITIONS WARRANT)
	-	CONCRETE WASHOUT
D	-	LIMITS OF CONSTRUCTION
(IP)	-	PROPOSED INLET PROTECTION (DANDY SACKS AND WIRE SILT FENCES) FOR EXISTING STRUCTURES REQUIRED. (SEE DETAILS ON SHEET C207)
	-	ROCK CHECK DAM
<b>o</b>	-	TREE PROTECTION FENCE
DI	S	TURBED ACREAGE =
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### PRE CONSTRUCTION ACTIVITIES

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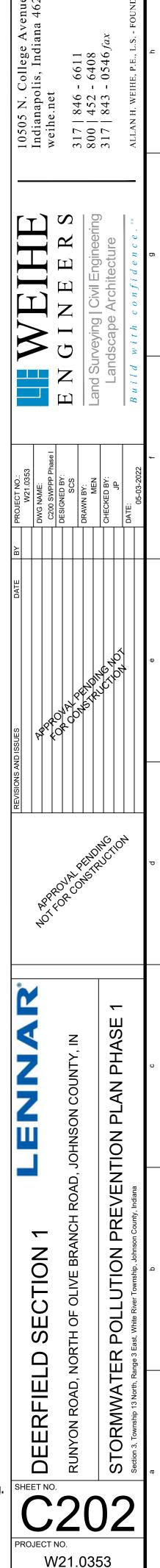
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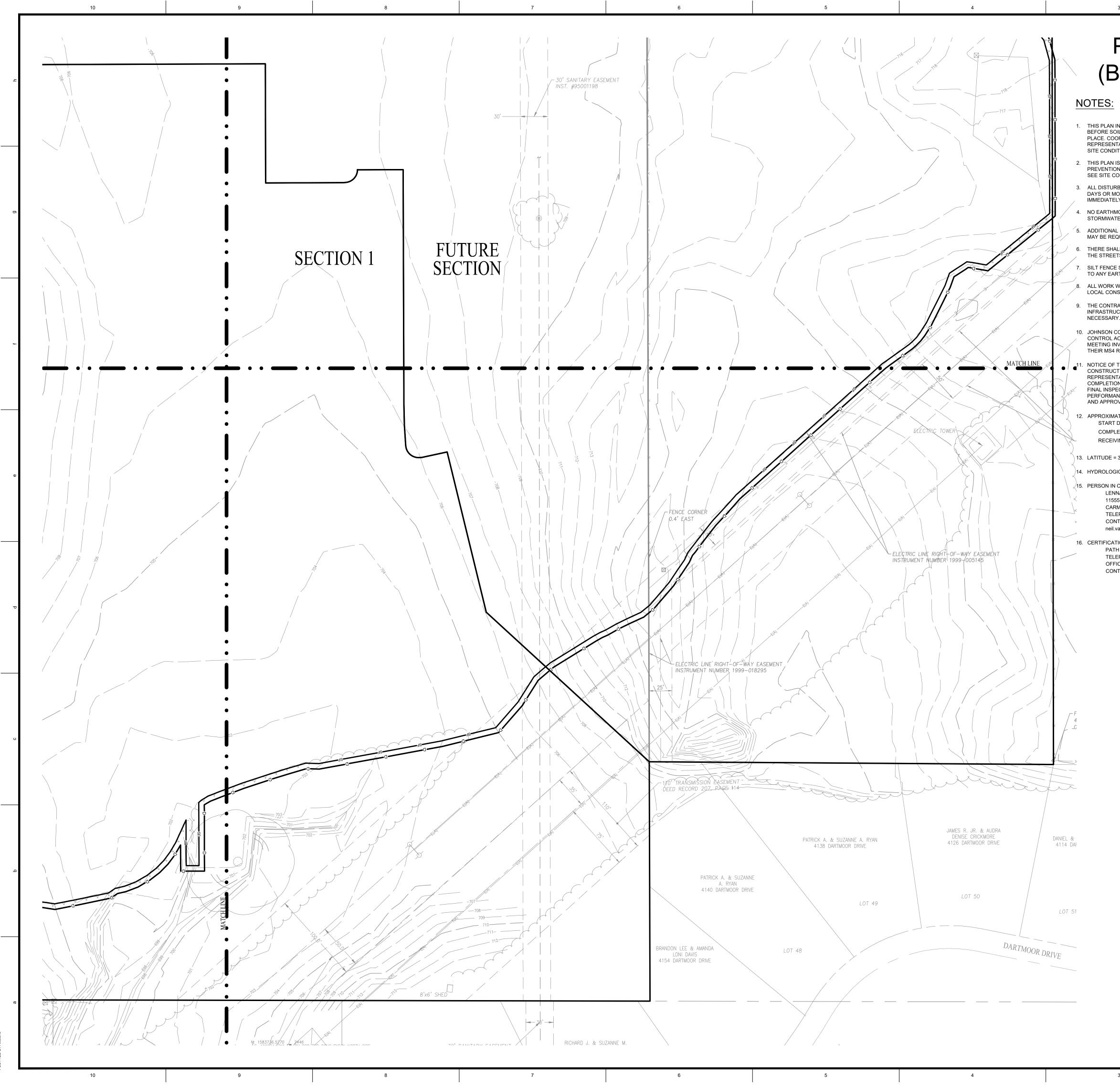
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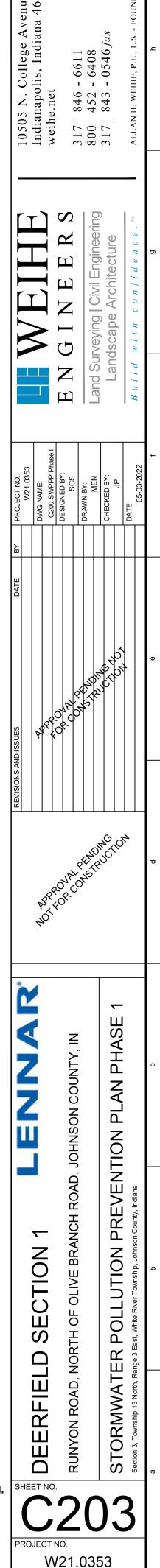
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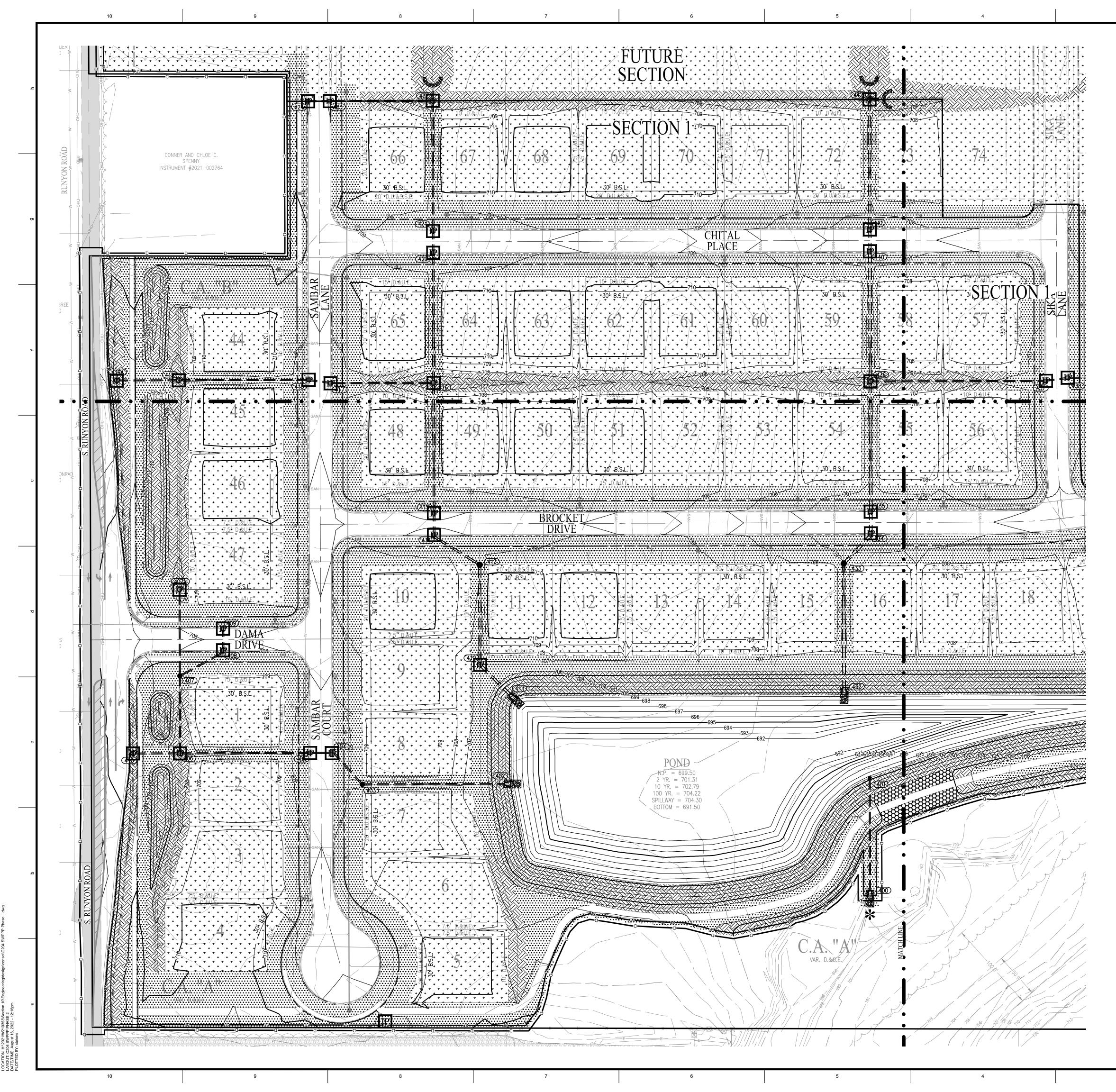
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SCALE:

25 50



### LEGEND INLET PROTECTION (DANDY SACKS AND WIRE SILT FENCES) FOR PROPOSED STRUCTURES (SEE JOHNSON COUNTY STANDARD DETAILS) IP PROPOSED INLET PROTECTION (DANDY SACKS AND WIRE SILT FENCES) FOR EXISTING STRUCTURES REQUIRED. (SEE JOHNSON (IP) COUNTY STANDARD DETAILS) PERMANENT SEEDING (USE PLANTING CHART) AT A MINIMUM, MULCH IS REQUIRED. EROSION CONTROL BLANKET (USE STAPLE PATTERN N.A.G. S150.) \* \* \* TEMPORARY SEEDING SHEET FLOW PROTECTION (MAY INCLUDE SILT FENCE, STRAW WATTLES, COIR LOGS, OR VEGETATIVE BUFFER AS CONDITIONS WARRANT SWALE CONSTRUCTION LIMITS LOCATION WHERE STORMWATER LEAVES SITE ROCK CHECK DAM TREE PROTECTION FENCE ARMORFLEX 50-S

DISTURBED ACREAGE = 42.37 ± AC.

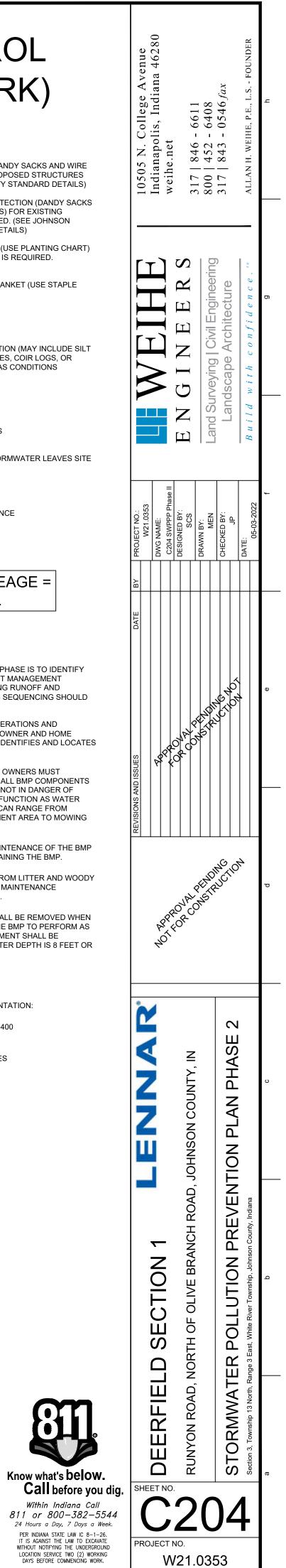
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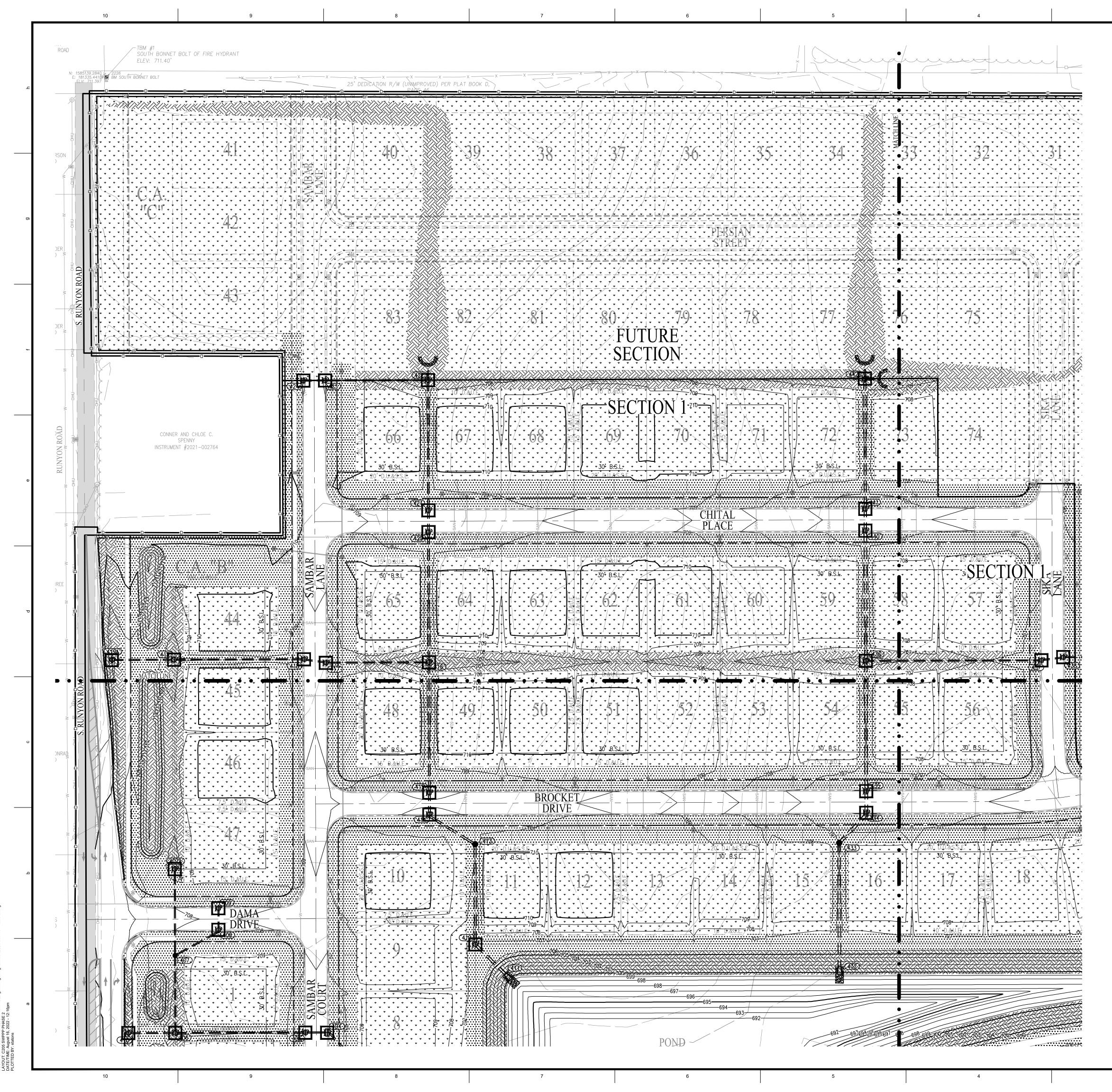
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- . DISTRIBUTE POST CONSTRUCTION BMP OPERATIONS AND MAINTENANCE MANUAL (O&M MANUAL) TO OWNER AND HOME OWNERS ASSOCIATION. THE O&M MANUAL IDENTIFIES AND LOCATES THE BMP STRUCTURE FOR THE OWNER.
- 2. STORMWATER WET DETENTION POND BMP OWNERS MUST ROUTINELY INSPECT BMP TO VERIFY THAT ALL BMP COMPONENTS ARE FUNCTIONING AS DESIGNED AND ARE NOT IN DANGER OF FAILING. ALL BMP NEED MAINTENANCE TO FUNCTION AS WATER QUALITY ENHANCEMENTS. MAINTENANCE CAN RANGE FROM DREDGING SEDIMENT OUT OF THE TREATMENT AREA TO MOW GRASS.
- 3. BMP OWNER IS RESPONSIBLE FOR THE MAINTENANCE OF THE BMP AND ANY COSTS ASSOCIATED WITH MAINTAINING THE BMP.
- 4. BMP OWNER SHALL KEEP THE BMP FREE FROM LITTER AND WOODY GROWTH. REFER TO THE INSPECTION AND MAINTENANCE GUIDELINES FOR FURTHER CLARIFICATION.
- 5. SEDIMENT THAT COLLECTS IN THE BMP SHALL BE REMOVED WHEN IT ADVERSELY AFFECTS THE ABILITY OF THE BMP TO PERFORM AS A WATER QUALITY CONTROL DEVICE. SEDIMENT SHALL BE REMOVED FROM THE POND WHEN THE WATER DEPTH IS 8 FEET OR LESS.

### NOTES:

- 1. PERSON IN CHARGE OF SWPPP IMPLEMENTATION:
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  - CARMEL, INDIANA 46032
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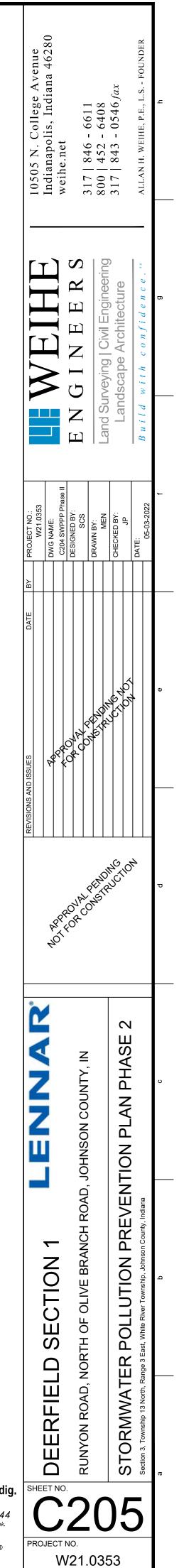
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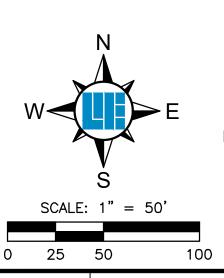
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- 4. BMP OWNER SHALL KEEP THE BMP FREE FROM LITTER AND WOODY GROWTH. REFER TO THE INSPECTION AND MAINTENANCE GUIDELINES FOR FURTHER CLARIFICATION.
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### NOTES:

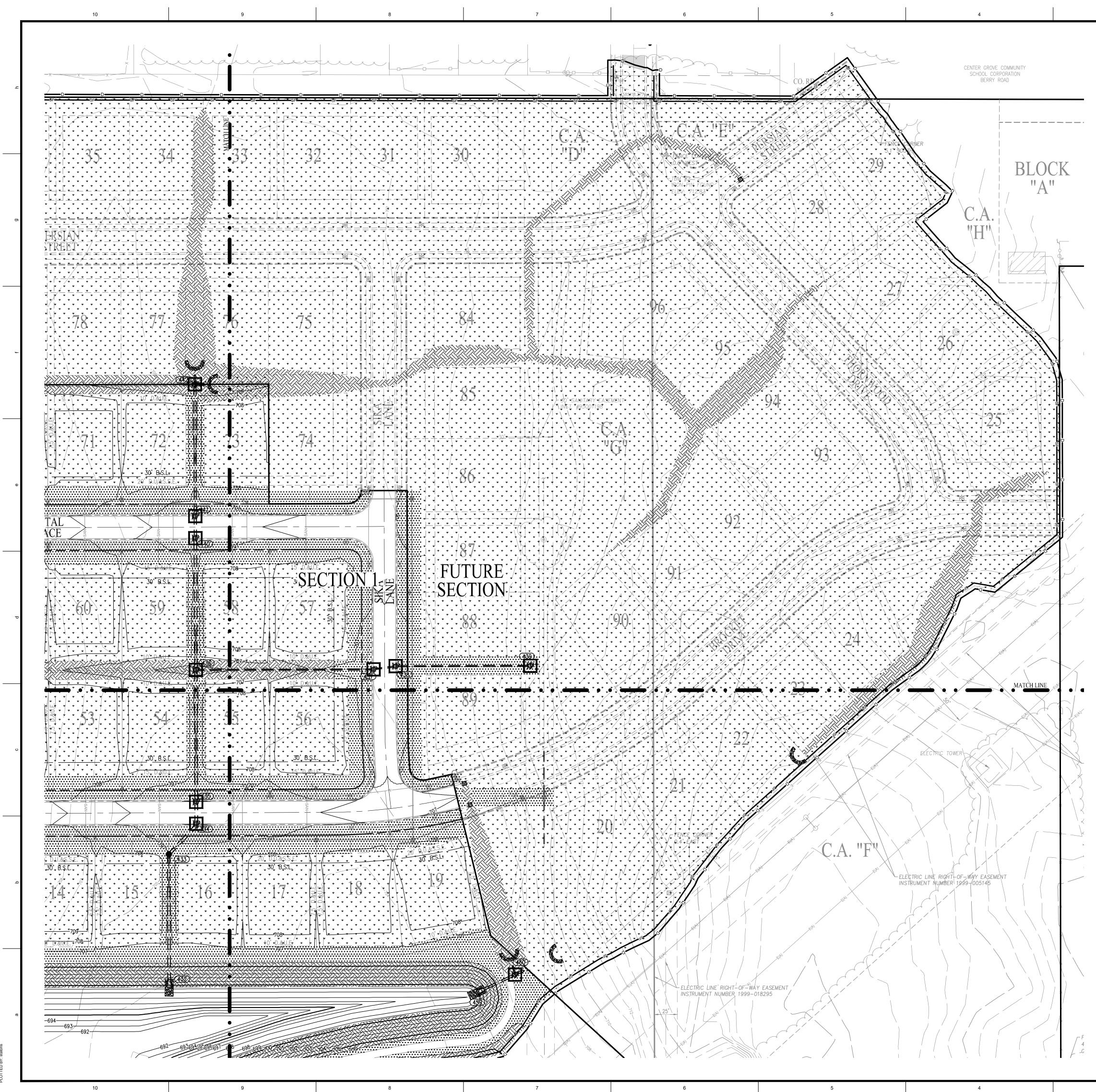
- 1. PERSON IN CHARGE OF SWPPP IMPLEMENTATION:
  - LENNAR HOMES OF INDIANA, LLC 11555 N. MERIDIAN STREET, SUITE 400

  - TELEPHONE: (317) 339-9936
  - CONTACT PERSON: NEIL VAN TREES neil.vantrees@lennar.com





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#### LEGEND IP INLET PROTECTION (DANDY SACKS AND WIRE SILT FENCES) FOR PROPOSED STRUCTURES (SEE JOHNSON COUNTY STANDARD DETAILS) PROPOSED INLET PROTECTION (DANDY SACKS AND WIRE SILT FENCES) FOR EXISTING STRUCTURES REQUIRED. (SEE JOHNSON COUNTY STANDARD DETAILS) PERMANENT SEEDING (USE PLANTING CHART) AT A MINIMUM, MULCH IS REQUIRED. EROSION CONTROL BLANKET (USE STAPLE PATTERN N.A.G. S150.) \* \* \* TEMPORARY SEEDING SHEET FLOW PROTECTION (MAY INCLUDE SILT FENCE, STRAW WATTLES, COIR LOGS, OR VEGETATIVE BUFFER AS CONDITIONS WARRANT SWALE CONSTRUCTION LIMITS LOCATION WHERE STORMWATER LEAVES SITE ROCK CHECK DAM TREE PROTECTION FENCE ARMORFLEX 50-S

DISTURBED ACREAGE = 42.37 ± AC.

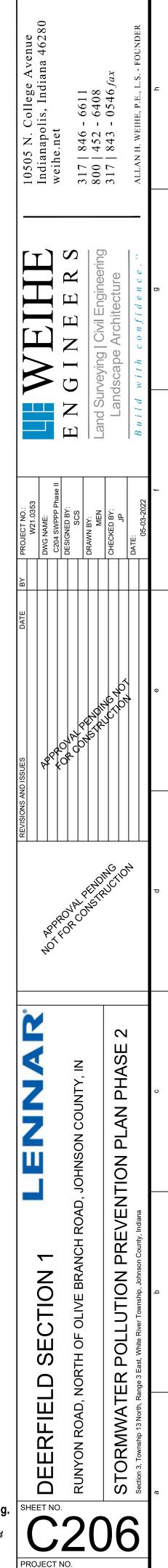
# POST CONSTRUCTION SEQUENCING

THE PURPOSE OF THE POST CONSTRUCTION PHASE IS TO IDENTIFY AND MAINTAIN ALL POST CONSTRUCTION BEST MANAGEMENT PRACTICE (BMP) STRUCTURES THUS REDUCING RUNOFF AND CONTROLLING POLLUTANTS. THE FOLLOWING SEQUENCING SHOULD BE FOLLOWED AS MUCH AS POSSIBLE

- 1. DISTRIBUTE POST CONSTRUCTION BMP OPERATIONS AND MAINTENANCE MANUAL (O&M MANUAL) TO OWNER AND HOME OWNERS ASSOCIATION. THE O&M MANUAL IDENTIFIES AND LOCATES THE BMP STRUCTURE FOR THE OWNER.
- 2. STORMWATER WET DETENTION POND BMP OWNERS MUST ROUTINELY INSPECT BMP TO VERIEV THAT ALL BMP COMPONENTS ARE FUNCTIONING AS DESIGNED AND ARE NOT IN DANGER OF FAILING. ALL BMP NEED MAINTENANCE TO FUNCTION AS WATER QUALITY ENHANCEMENTS. MAINTENANCE CAN RANGE FROM DREDGING SEDIMENT OUT OF THE TREATMENT AREA TO MOW GRASS.
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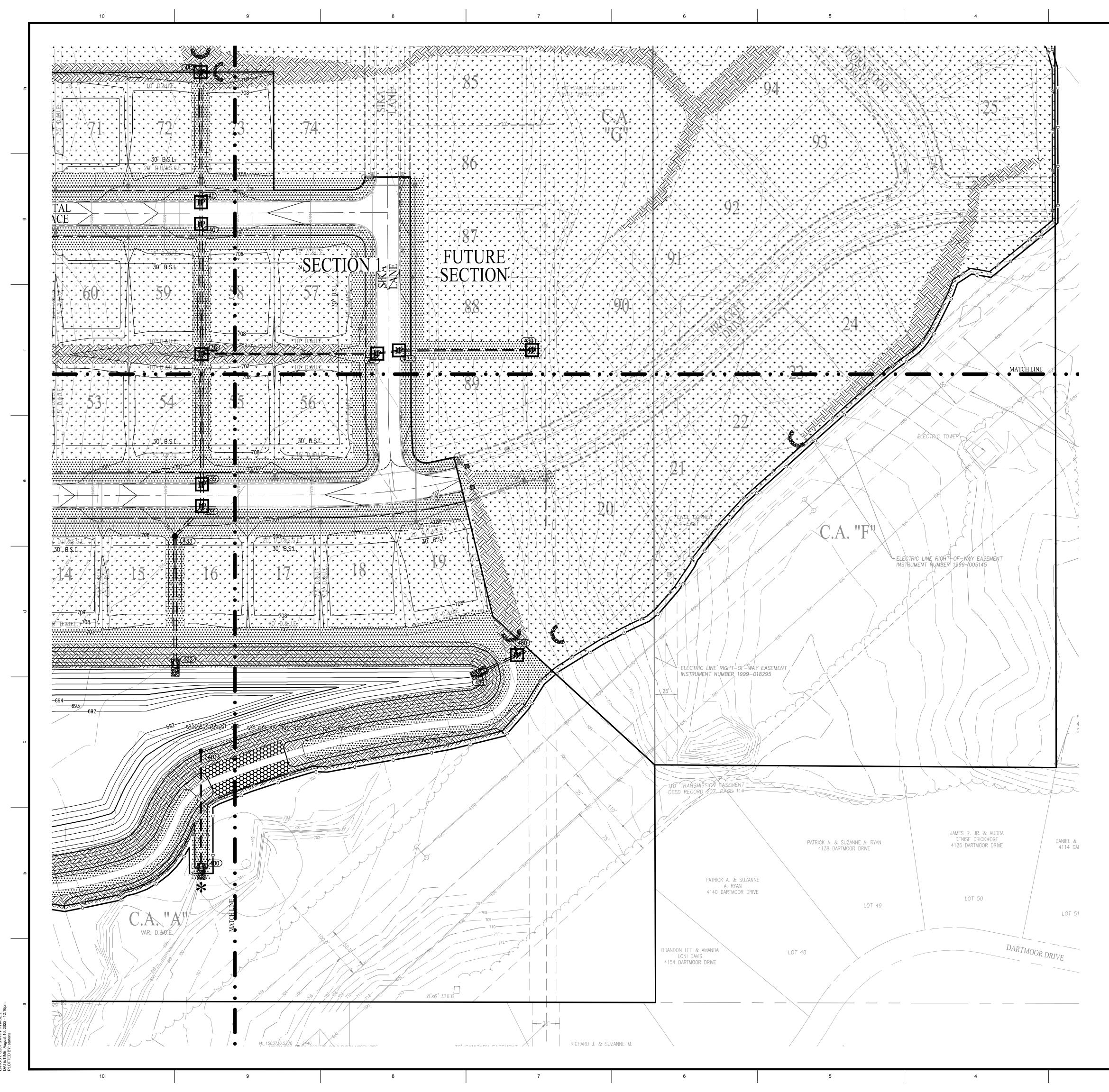
- 1. PERSON IN CHARGE OF SWPPP IMPLEMENTATION:
  - LENNAR HOMES OF INDIANA, LLC 11555 N. MERIDIAN STREET, SUITE 400
  - CARMEL, INDIANA 46032
  - TELEPHONE: (317) 339-9936
  - CONTACT PERSON: NEIL VAN TREES neil.vantrees@lennar.com





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W21.0353



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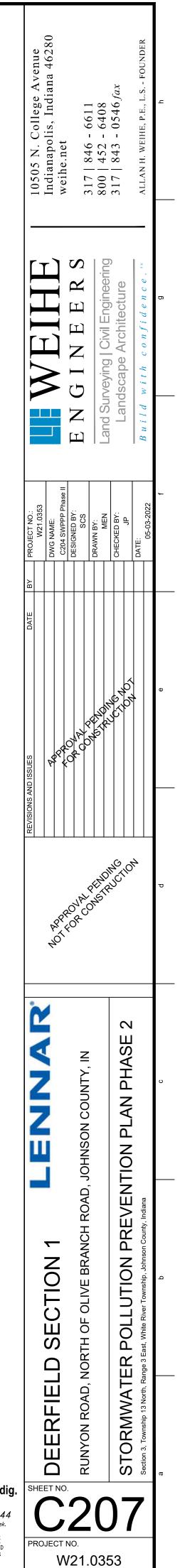
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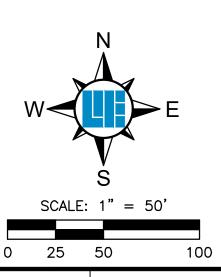
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	911	SPILL PREVENTION PLAN
	317-888-8337	IN ORDER TO MINIMIZE THE RELEASE OF POTENTIAL POLLUTANTS DURING CONSTRUCTION THE CONTRACTORS SHALL IMPLEMENT THIS MATERIAL HANDLING AND SPILL PREVENTION PLAN. THE
BARGERSVILLE POLICE DEPARTMENT	317-422-1222 812-477-8773	CONTRACTOR SHALL REVIEW THIS PLAN WITH ALL SUBCONTRACTORS AND REQUIRE THAT THEY IMPLEMENT THE PLAN AS WELL.
INDIANA DEPT. OF ENVIRONMENTAL MANAGEMENT	317-233-7745	<ol> <li>CONSTRUCTION EQUIPMENT         <ul> <li>FUELING, LUBRICATION AND FLUIDS: ALL OPERATIONS INVOLVING THE ADDITION OF FLUID</li> </ul> </li> </ol>
JOHNSON COUNTY SOIL AND WATER CONSERVATION DISTRICT	317-736-9540	EQUIPMENT SHOULD BE DONE IN ONE LOCATION, AS DESIGNATED BY THE CONSTRUCTION MANAGER, SO THAT SPILLS ARE LIMITED TO ONE LOCATION ON THE SITE, WHICH WILL
SECTION A - CONSTRUCTION PLAN E	ELEMENTS	FACILITATE THE CLEANUP OF SPILLS. IF AN ONSITE-FUELING TANK IS PLANNED TO BE ON IT SHALL BE DOUBLE WALLED AND STORED IN THIS DESIGNED AREA. THIS LOCATION IS AI AREA THAT WILL NOT ALLOW SPILLED FLUIDS TO MIGRATE INTO SUBSURFACE SOILS. IN T EVENT OF A SPILL, THE FLUID SHALL IMMEDIATELY BE CLEANED UP BY REMOVING THE
11"X17" PLAT - (REDUCTION OF STORMWATER POLLUTION PREVEN WITH FULL SIZE PLAN)		CONTAMINATED SOIL OR STONE, WHICH SHALL BE DISPOSED OF IN AN ACCEPTABLE MANI SPILLS ON HARD SURFACES SHALL BE SOAKED UP BY AN ACCEPTABLE MATERIAL SUCH A DRY AND THE ABSORBENT MATERIAL DISPOSED OF IN A PROPER MANNER. THE SPILL SHA
A3 PROJECT NARRATIVE - THIS IS A PROPOSED RESIDENTIAL SINGLE LOTS ON APPROXIMATELY 26.71 ACRES. THE CONSTRUCTION SHA ASPHALT DRIVE, WATER LINES, SANITARY SEWERS AND ENCLOSE	ALL CONSIST OF CURB, ED STORM SEWERS.	ALSO BE REPORTED IMMEDIATELY TO THE CONSTRUCTION MANAGER'S SUPERINTENDEN B. EQUIPMENT REPAIR, ESPECIALLY WHEN FLUIDS MUST BE REMOVED FROM THE EQUIPMEN THE POSSIBILITY OF FLUID SPILLS IS HIGH, SHOULD ALWAYS BE DONE OFFSITE AT A FACIL
<ul> <li>VICINITY MAP - SEE SHEET C001 AND THE UPPER RIGHT CORNER</li> <li>LEGAL DESCRIPTION - SEE SHEET C001, LAT: 39°35'52"N LONG: 86</li> <li>LOCATION OF ALL LOTS AND PROPOSED SITE IMPROVEMENTS - S</li> <li>PREVENTION PLAN SHEETS C204-C207.</li> </ul>	°11'05"W	THAT IS MORE SUITABLE THAN A CONSTRUCTION SITE TO HANDLE SPILLS. WHEN EQUIPM MUST BE REPAIRED ONSITE IT SHOULD BE MOVED TO THE MAINTENANCE AND FUELING AI POSSIBLE. OTHERWISE, SUITABLE ON SITE CONTAINERS SHOULD BE PLACED UNDER THE
<ul> <li>HYDROLOGIC UNIT CODE (14 DIGIT) - 05120201140010</li> <li>NOTATION OF ANY STATE OR FEDERAL WATER QUALITY PERMITS</li> <li>SPECIFIC POINTS WHERE STORMWATER DISCHARGE LEAVES SITE</li> <li>CONVEYED INTO THE PROPOSED POND AND THEN DISCHARGED</li> </ul>	E - STORM WATER WILL BE TO THE SOUTH.	<ul> <li>EQUIPMENT DURING REPAIR TO CATCH ANY SPILLED FLUIDS AND THESE FLUIDS SHOULD DISPOSED OF IN A PROPER MANNER.</li> <li>C. ALL REUSABLE FLUID CONTAINERS, SUCH AS GASOLINE CANS, SHALL BE INSPECTED FOR LEAKS EACH TIME THEY ARE USED. IF LEAKS ARE FOUND, THE FLUID SHALL BE REMOVED TO SOLUTION FOR THE PROPERTY OF THE AND FOR THE ADDITION FOR THE PROPERTY.</li> </ul>
<ul> <li>A10 LOCATION AND NAME OF WETLANDS, LAKES AND WATER COURSE NOT APPLICABLE.</li> <li>A11 IDENTIFICATION OF ALL RECEIVING WATERS - TURKEY PEN CREEI</li> <li>A12 IDENTIFICATION OF POTENTIAL DISCHARGE TO GROUND WATER - DISCHARGE INTO THE GROUND WATER FROM THE PROPOSED DR</li> </ul>	K. • THERE MAY BE SOME	THE CONTAINER IN A PROPER MANNER AND THE CONTAINER DISPOSED OF IN AN ACCEPT MANNER. EMPTY DISPOSABLE CONTAINER, SUCH AS GREASE TUBES AND LUBRICATING O AND BRAKE FLUID CONTAINERS, AND THEIR PACKAGING, SHALL BE DISPOSED OF IN A PRO MANNER AND SHALL NOT BE LEFT ON THE GROUND OR IN THE OPEN ON THE CONSTRUCT SITE.
<ul> <li>100 YEAR FLOODPLAINS, FLOODWAYS, AND FLOODWAY FRINGES</li> <li>PRE-CONSTRUCTION AND POST-CONSTRUCTION ESTIMATE OF PE Q10PRE = 13.75 CFS Q10POST = 3.33 CFS</li> </ul>	- NOT APPLICABLE. EAK DISCHARGE (10 YEAR) -	<ol> <li>CONSTRUCTION MATERIALS AND THEIR PACKAGING</li> <li>A. EROSION CONTROL MEASURE SHOWN ON THE SUBJECT PROJECT SHALL BE IMPLEMENTE PRIOR TO AND DURING CONSTRUCTION IN THE PROPER SEQUENCING TO MINIMIZE SOIL</li> </ol>
<ul> <li>ADJACENT LANDUSE INCLUDING UPSTREAM WATERSHED - NORTH RESIDENTIAL/AGRICULTURAL, WEST - RESIDENTIAL.</li> <li>CONSTRUCTION LIMITS - SEE STORMWATER POLLUTION PREVENTIATION OF EXISTING VEGETATIVE COVER - GRASS. TREE</li> </ul>	TION PLAN SHEETS C200-C207.	EROSION. EROSION CONTROLS SHALL BE INSPECTED AND MAINTAINED AS DESCRIBED ELSEWHERE ON THE PLANS. EXCESSIVE DUSTING OF SOIL ON THE SITE SHALL BE MINIMI BY REDUCING CONSTRUCTION TRAFFIC ACROSS BARE SOIL DURING DRY AND/OR WINDY WEATHER, AND BY APPLYING WATER OR OTHER ACCEPTABLE DUST CONTROL MEASURES
<ul> <li>A18 SOILS MAP W/ SOIL DESCRIPTIONS AND LIMITATIONS - SEE RIGHT</li> <li>A19 LOCATIONS, SIZE &amp; DIMENSIONS OF PROPOSED STORMWATER SY POLLUTION PREVENTION PLAN SHEETS C200-C2011 AND STORM F C600-C605.</li> </ul>	SIDE OF THIS SHEET. YSTEMS - SEE STORMWATER	THE SOIL. UPON COMPLETION OF CONSTRUCTION AND SUITABLE ESTABLISHMENT OF PERMANENT VEGETATION, TEMPORARY EROSION CONTROL MEASURES SUCH AS SILT FE CHECK DAMS AND INLET PROTECTION DEVICES SHALL BE REMOVED IN A MANNER TO MIN ADDITIONAL LAND DISTURBANCE. ANY AREAS DISTURBED BY THESE OPERATIONS SHALL
<ul> <li>PLANS FOR OFF-SITE CONSTRUCTION ACTIVITIES - NOT APPLICAE</li> <li>LOCATIONS OF PROPOSED SOIL STOCKPILES AND/OR BORROW/D C200-C203.</li> <li>EXISTING SITE TOPOGRAPHY - SEE SHEETS C100-C103.</li> </ul>		PROPERLY REVEGATATED. B. LARGE WASTE MATERIALS CREATED BY CUTTING, SAWING, DRILLING, OR OTHER OPERAT SHALL BE PROPERLY DISPOSED OF IN SUITABLE WASTE CONTAINERS. THE SITE SHALL B
SECTION B - SWPPP - CONSTRUCTIO	ON PHASE	CHECKED AT THE END OF THE DAY, AS A MINIMUM, AND ALL WASTE MATERIALS, INCLUDIN THOSE BLOWN ACROSS OR OFF THE SITE BY WIND SHALL BE PICKED UP AND DISPOSED O SUITABLE CONTAINERS. WHERE POSSIBLE, OPERATIONS SUCH AS SAWING THAT CREATE SMALL PARTICLES SHOULD BE PERFORMED IN ONE SPOT IN AN AREA PROTECTED FROM
B1 DESCRIPTION OF POTENTIAL POLLUTANT SOURCES - POTENTIAL I CONSTRUCTION ACTIVITY SUCH AS ASPHALT FROM PAVING; CON	POLLUTANTS FROM CRETE FROM CURBING,	AND WASTE PARTICLES COLLECTED AND DISPOSED OF FREQUENTLY TO MINIMIZE WIND DISPERSAL. PACKAGING USED TO TRANSPORT MATERIALS TO THE SITE FOR CONSTRUCT OF THE FACILITY SHALL BE DISPOSED OF PROPERLY, WHETHER THE MATERIAL IS TAKEN
SIDEWALKS, OIL, GREASE, ANTIFREEZE, GASOLINE AND DIESEL FU EQUIPMENT; SOIL EROSION; FERTILIZER AND PESTICIDES FROM L SHOULD BE PROPERLY ATTENDED TO TO REDUCE THE CONTAMIN STORM SYSTEM. TRASH SHOULD BE CLEANED UP TO REDUCE CL	ANDSCAPING AND TRASH NANTS FROM ENTERING THE	OF ITS PACKAGE AND INCORPORATED INTO THE PROJECT IMMEDIATELY OR STORED ONS FOR FUTURE USE. PACKAGED MATERIALS STORED ONSITE SHALL BE INSPECTED REGUL/ AND ANY LOOSE PACKAGING SHALL BE REPAIRED OR DISPOSED OF PROPERLY. C. ALL DEWATERING OF ACTIVITIES SHALL BE DONE IN ACCORDANCE TO GOOD EROSION
AND REDUCE POTENTIAL BACTERIA AND/OR OTHER BIOLOGICAL / STORM SYSTEM. 2 SEQUENCE DESCRIBING STORMWATER QUALITY MEASURE IMPLE		CONTROL PRACTICES. THESE PRACTICES SHOULD INCLUDE THE USE OF DIRT BAGS SUC SILT FENCE INLET PROTECTION. THE USE OF THESE TYPES OF DEWATERING DEVICES W REMOVE LARGE QUANTITIES OF SILT, SEDIMENT, AND DIRT AND PREVENT THESE MATERI TO ENTER THE STORM SEWER SYSTEM.
<ul> <li>DISTURBING ACTIVITIES -</li> <li>A PRE-CONSTRUCTION MEETING WITH JOHNSON COUNTY AND SV COMMENCEMENT OF ANY EARTHWORK. ADDITIONALLY, IDEM IS F LEAST 48 HOURS PRIOR TO CONSTRUCTION.</li> </ul>		<ul> <li>D. IF THE USE OF LIME IS USED TO STABILIZE THE SOIL OF THE SITE THEN ALL CONSTRUCTION</li> <li>EQUIPMENT USED SHALL BE CLEANED OF ALL EXCESS MATERIAL WITH WATER IN THE MAINTENANCE AND REFUELING AREA AS SHOWN WITHIN THESE PLANS.</li> </ul>
<ol> <li>POSTING AREA- CONTRACTOR TO POST APPROVED SWPPP DOCULOCATION SHOWN ON PLANS.</li> <li>CONSTRUCTION ENTRANCE- STRIP TOPSOIL AND PLACE STONE A</li> </ol>		E. NUTRIENTS AND FERTILIZERS SHALL ONLY BE USED TO ESTABLISH RAPID VEGETATION. THESE PRODUCTS ARE UTILIZED, THE USER SHOULD PAY STRICT ATTENTION TO THE PRODUCTS RECOMMENDED USAGE.
<ol> <li>INSTALL PERIMETER BMP'S SUCH AS SILT FENCING AND TEMPORA FENCE TO REMAIN IN PLACE UNTIL FINAL SEEDING HAS BEEN EST SILT FENCE AFTER EACH STORM EVENT.</li> <li>EARTHWORK- STRIP TOPSOIL, BEGIN ROUGH GRADING. EXCAVAT</li> </ol>	ABLISHED. CHECK AND REPAIR	<ol> <li>CONCRETE WASTE WATER</li> <li>A. ALL CONCRETE WASTEWATER SHALL BE DISPOSED OF IN THE DESIGNED AREA AS DIREC BY THE CONSTRUCTION MANAGER. THIS AREA IS TO BE A 3' DEEP, 10' SQUARE PIT AS DE ON THE EROSION CONTROL PLAN. THIS AREA SHALL BE INSPECTED ON A DAILY BASIS AT</li> </ol>
<ul> <li>THROUGHOUT THE SITE AS NEEDED. FINISH GRADING AND SEED TEMPORARY SEED ALL DISTURBED AREAS, ON-SITE AND OFF-SITE UN-WORKED FOR MORE THAN 14 DAYS.</li> <li>SANITARY SEWER- INSTALL SEWER SYSTEM.</li> </ul>	- , -	MINIMUM. WHEN THIS AREA BECOMES FULL, THE POLLUTANTS SHALL BE EXCAVATED, PL IN AN ACCEPTABLE CONTAINER AND DISPOSED OF IN PROPER MANNER, BY THE EXCAVAT CONTRACTOR. 4. PAINT PRODUCTS
<ol> <li>STORM SEWER- INSTALL STORM SEWER SYSTEM AND INLET PROCOMPLETED.</li> <li>UTILITIES- COORDINATE INSTALLATION OF WATER, GAS, TELEPHOREQUIRED UTILITY LINES.</li> </ol>		A. ALL EXCESS PAINT AND THEIR RELATED PRODUCTS SHALL BE DISPOSED OF IN THE MANN WHICH THE MANUFACTURER SUGGESTS. UNDER NO CIRCUMSTANCES WILL PAINT OR TH RELATED PRODUCTS BE CLEANED OR DISPOSED OF IN SOIL, SANITARY SEWERS, STORM SEWERS OR DETENTION BASINS. ANY VIOLATION OF THIS SHALL BE REPORTED TO THE J
<ol> <li>CLEANUP - CONTRACTOR SHALL SPOIL ALL EXCESS MATERIALS, F AREAS DISTURBED BY UTILITY INSTALLATIONS AND RESEED.</li> <li>FINAL GRADING AND PERMANENT EROSION CONTROL- FINISH GRA ALL PROPERTY PERIMETER AREAS (TEMPORARY DIVERSION DITC AREAS).</li> </ol>	ADE AND PERMANENTLY SEED	SUPERINTENDENT. IN THE EVENT OF ACCIDENTALLY CONTAMINATION ALL EFFORTS SHOL MADE TO REMOVE CONTAMINANTS IN AN APPROPRIATE MANNER. THE JOHNSON COUNTY DEPARTMENT SHOULD BE CONTACTED IMMEDIATELY TO DETERMINE IF FURTHER MEASU ARE NEEDED.
<ol> <li>PAVEMENT- INSTALL STONE, BASE COURSES AND FINISHED GRAD AND ENTRY DRIVES.</li> <li>TEMPORARY SEED ALL DISTURBED AREAS.</li> <li>FINAL LANDSCAPING - FINAL GRADE AND INSTALL LANDSCAPING.</li> </ol>	DES FOR ROADWAYS, CURBS	RULE 6. SPILLS OF OIL AND OTHER OBJECTIONAE
<ol> <li>FINAL EANDSCAFING - FINAL GRADE AND INSTALL EANDSCAFING.</li> <li>FINAL SEEDING- COMPLETE FINAL SEEDING.</li> <li>MAINTENANCE- MAINTAIN ALL EROSION AND SEDIMENT CONTROL DISTURBED AREAS ARE PERMANENTLY STABILIZED.</li> <li>IN THE EVENT THAT THE NATIONAL WEATHER SERVICE FORECAS<sup>-</sup></li> </ol>		SUBSTANCES; REPORTING, CONTAINMENT AND CLEANUP
HOURS OF THE END OF A WORK DAY, THE CONTRACTOR SHALL S LEAVING AT THE END OF THE WORK DAY. 33 CONSTRUCTION ENTRANCE - SEE STORMWATER POLLUTION PRE		(REPEALED BY WATER POLLUTION CONTROL BOARD; FILED FEB 25, 1997, 1:00 P.M.: 20 IR 1734)
C209. 34 SEDIMENT CONTROL PLAN FOR SHEET FLOW AREAS - SEE STORM	WATER POLLUTION PREVENTION	RULE 6.1. SPILLS; REPORTING, CONTAINMENT, AND RESPONSE
PLAN SHEETS C200-C207. 55 SEDIMENT CONTROL PLAN FOR CONCENTRATED FLOW AREAS - R C204-C207.	ROCK CHECK DAMS, SEE SHEETS	327 IAC 2-6.1-1 APPLICABILITY AUTHORITY: IC 13-14-8-7 AFFECTED: IC 13-11-2: IC 13-18-1: IC 13-18-3: IC 13-18-8: IC 13-18-17
<ul> <li>STORM SEWER INLET PROTECTION MEASURE LOCATIONS AND SF</li> <li>POLLUTION PREVENTION PLAN SHEETS C204-C207 AND C209.</li> </ul>	PECS - SEE STORMWATER	SEC. 1. THIS RULE APPLIES TO THE REPORTING AND CONTAINMENT OF, AND THE RESPONSI THOSE SPILLS OF HAZARDOUS SUBSTANCES.
<ul> <li>RUNOFF CONTROL MEASURES - NOT APPLICABLE.</li> <li>STORM WATER OUTLET PROTECTION SPECS - SEE STORMWATER</li> </ul>	R POLLUTION PREVENTION PLAN	EXTREMELY HAZARDOUS SUBSTANCES, PETROLEUM, AND OBJECTIONABLE SUBSTANCES THAT A A QUANTITY, TYPE, DURATION AND IN A LOCATION AS TO DAMAGE THE WATERS OF THE STATE.
SHEET C605. 39 GRADE STABILIZATION STRUCTURE LOCATIONS AND SPECS - SEE PREVENTION PLAN SHEETS C204-C207	E STORMWATER POLLUTION	NOTHING IN THIS RULE IS INTENDED TO AFFECT REPORTING OR CLEAN-UP REQUIREMENTS SET F BY OTHER FEDERAL, STATE, OR LOCAL LAWS. (WATER POLLUTION CONTROL BOARD; 327 IAC 2-6.1
PREVENTION PLAN SHEETS C204-C207. 310 STORMWATER QUALITY CONSTRUCTION DETAILS - SEE STORMW/ PLAN SHEETS C208-C211.	ATER POLLUTION PREVENTION	FILED FEB 25, 1997, 1:00 P.M.: 20 IR 1731; READOPTED FILED JAN 10, 2001, 3:23 P.M.: 24 IR 1518; READOPTED FILED NOV 21, 2007, 1:16 P.M.: 20071219-IR-327070553BFA)
<ul> <li>TEMPORARY SURFACE STABILIZATION METHOD FOR EACH SEASC PROTECTION CHART.</li> <li>PERMANENT SURFACE STABILIZATIONS - SEE SEASONAL SOIL PRO MATERIAL HANDLING AND SPILL PREVENTION PLAN - POTENTIAL F</li> </ul>	OTECTION CHART.	327 IAC 2-6.1-2 SPECIAL AREAS AUTHORITY: IC 13-14-8-7
CONSTRUCTION ACTIVITY SUCH AS ASPHALT FROM PAVING; CON SIDEWALKS. A CONCRETE WASHOUT AREA HAS BEEN DESIGNATI GASOLINE AND DIESEL FUEL FROM CONSTRUCTION EQUIPMENT. OF THESE, IMMEDIATE CLEANUP SHOULD OCCUR; SOIL EROSION;	CRETE FROM CURBING, ED OIL, GREASE, ANTIFREEZE, IF THERE IS A SPILL FROM ONE	AFFECTED: IC 13-11-2; IC 13-18-1; IC 13-18-3; IC 13-18-8; IC 13-18-17 SEC. 2. CERTAIN AREAS OF THE STATE ARE RECOGNIZED AS HAVING UNIQUE GEOLOGY. A L SECTION OF THE MID-SOUTHERN PART OF THE STATE IS A KARST REGION. PORTIONS OF SAINT JOSEPH, ELKHART, KOSCIUSKO, AND LAGRANGE COUNTIES CONTAIN A SOLE SOURCE AQUIFER A REFERENCED
FROM LANDSCAPING AND TRASH SHOULD BE PROPERLY ATTEND CONTAMINANTS FROM ENTERING THE STORM SYSTEM. TRASH SI REDUCE CLOGGING OF STORM SYSTEMS AND REDUCE POTENTIA BIOLOGICAL AGENTS FROM ENTERING IN THE STORM SYSTEM. SH	ED TO TO REDUCE THE HOULD BE CLEANED UP TO AL BACTERIA AND/OR OTHER HALL MEET THE REQUIREMENTS	IN 42 U.S.C. 300H-3(E). THE WATERS OF THE STATE ARE PARTICULARLY VULNERABLE TO DAMAGE SPILLS IN THESE AREAS, AND CARE SHOULD BE EXERCISED WHEN EVALUATING DAMAGE FROM S INFORMATION ABOUT THESE AREAS CAN BE OBTAINED BY CALLING THE DEPARTMENT OF ENVIRONMENTAL MANAGEMENT, OFFICE OF LAND QUALITY, EMERGENCY RESPONSE SECTION: A
OF IAC 2-6.1. FOLLOW MATERIAL SAFETY DATA SHEET (MSDS) GU PRESENT ON SITE. MONITORING AND MAINTENANCE GUIDELINES FOR EACH STORMW INSPECT ALL EROSION CONTROL AND STORMWATER QUALITY ME	NATER QUALITY MEASURE - ASURES WEEKLY AND AFTER	CODE 1-888-233-7745 FOR IN-STATE CALLS (TOLL FREE), (317) 233-7745 FOR OUT-OF-STATE CALLS. (WATER POLLUTION CONTROL BOARD; 327 IAC 2-6.1-2; FILED FEB 25, 1997, 1:00 P.M.: 20 IR 1731; READOPTED FILED JAN 10, 2001, 3:23 P.M.: 24 IR 1518; READOPTED FILED NOV 21, 2007, 1:16 P.M.: 20071219-IR-327070553BFA; ERRATA FILED MAY 27, 2008, 2:06 P.M.: 20080625-IR-327080419ACA)
EACH STORM EVENT OR HEAVY USE. REPAIR/REPLACE ANY COM AS REQUIRED. MORE SPECIFIC GUIDELINES ARE INCLUDED ON IN EROSION & SEDIMENT CONTROL SPECS - SEE SHEETS C208-C211.	NDIVIDUAL DETAILS.	327 IAC 2-6.1-3 EXCLUSIONS AUTHORITY: IC 13-14-8-7
317 SEDIMENT CONTROL ASSOCIATED WITH DEWATERING AND DIRECT IN THE EVENT THAT DEWATERING IS REQUIRED ON SITE, PROVIDE CONTAINMENT WITH THE USE OF THE ULTRA DEWATERING BAG, F ULTRATECH INTERNATIONAL, INC. AND SUPPLIED BY D2 LAND & W MANUFACTURED SPECIFICATIONS FOR ALTERNATE SIZES OF BAG	E SEDIMENT AND OIL PART #9724-O/S AS PROVIDED BY /ATER RESOURCES. REFER TO	AFFECTED: IC 13-11-2; IC 13-18-1; IC 13-18-3; IC 13-18-8; IC 13-18-17 SEC. 3. NOTWITHSTANDING ANY OTHER SECTION OF THIS RULE, THE REPORTING REQUIREN OF THIS RULE DOES NOT APPLY TO THE FOLLOWING OCCURRENCES:
MANUFACTURER SPECIFICATIONS FOR ALTERNATE SIZES OF BAG EQUAL MEASURES OF CONTAINMENT MAY BE APPROVED BY THE CONTACT PERSON IF ANOTHER PRODUCT OR METHOD OF CONTA	ENGINEER OR EROSION	<ol> <li>DISCHARGES OR EXCEEDANCES THAT ARE UNDER THE JURISDICTION OF AN APPLICABLE PI WHEN THE SUBSTANCE IN QUESTION IS COVERED BY THE PERMIT AND DEATH OR ACUTE IN OR ILLNESS TO ANIMALS OR HUMANS DOES NOT OCCUR.</li> <li>LAWFUL APPLICATION OF MATERIALS, INCLUDING, BUT NOT LIMITED TO:</li> </ol>
SECTION C - SWPPP - POST-CONSTR		<ul> <li>A. COMMERCIAL OR NATURAL FERTILIZERS AND PESTICIDES ON OR TO LAND OR WATE</li> <li>B. DUST SUPPRESSION MATERIALS.</li> <li>3. THE APPLICATION OF PETROLEUM NECESSARY FOR CONSTRUCTION THAT DOES NOT DAMA</li> </ul>
C1 DESCRIPTION OF POLLUTANTS AND THEIR SOURCES ASSOCIATED USE - POTENTIAL POLLUTANTS FROM POST-CONSTRUCTION ACTI FROM SNOW REMOVAL; OIL, GREASE, ANTIFREEZE, ETC. FROM VE	VITY SUCH AS SANDS AND SALTS EHICLES INCLUDING HEAVY	<ul><li>WATERS OF THE STATE.</li><li>4. SPILLS OF LESS THAN ONE (1) POUND OR ONE (1) PINT.</li><li>5. SPILLS OF INTEGRAL OPERATING FLUIDS, IN THE USE OF MOTOR VEHICLES OR OTHER</li></ul>
METAL FROM BRAKE PAD WEAR SHOULD BE PROPERLY ATTENDE CONTAMINANTS FROM ENTERING THE STORM SYSTEM. TRASH SI REDUCE CLOGGING OF STORM SYSTEMS AND REDUCE POTENTIA BIOLOGICAL AGENTS FROM ENTERING IN THE STORM SYSTEM. EX	D TO TO REDUCE THE HOULD BE CLEANED UP TO AL BACTERIA AND/OR OTHER	EQUIPMENT, THE TOTAL VOLUME OF WHICH IS LESS THAN OR EQUAL TO FIFTY-FIVE (55) GAI AND WHICH DO NOT DAMAGE WATERS OF THE STATE. 6. OIL SHEENS PRODUCED AS A RESULT OF THE NORMAL OPERATION OF PROPERLY FUNCTIO WATERCRAFT.
		WATERCRAFT. 7. A RELEASE OF A SUBSTANCE INTEGRAL TO A SPILL RESPONSE ACTIVITY THAT HAS BEEN APPROVED AND AUTHORIZED BY A STATE OR FEDERAL ONSCENE COORDINATOR.
HERBICIDES SHOULD BE AVOIDED. CLEAN UP IMMEDIATELY IF AN SEQUENCE DESCRIBING STORMWATER QUALITY MEASURE IMPLE		ATTROVED AND AUTHORIZED BY A STATE ORTEDERAE ONSGENE COORDINATOR.
	HIEVED. STORMWATER QUALITY	(WATER POLLUTION CONTROL BOARD; 327 IAC 2-6.1-3; FILED FEB 25, 1997, 1:00 P.M.: 20 IR 1731; ER FILED MAR 7, 1997, 2:25 P.M.:

C5 DESCRIPTION OF MAINTENANCE GUIDELINES FOR POST CONSTRUCTION STORMWATER QUALITY

MEASURES - MAINTENANCE GUIDELINES ARE INDICATED IN THE O&M MANUAL PROVIDED.

#### 327 IAC 2-6.1-4 DEFINITIONS AUTHORITY: IC 13-14-8-7

AFFECTED: IC 13-11-2; IC 13-18-1; IC 13-18-3; IC 13-18-8; IC 13-18-17; IC 14-8-2-7; IC 14-25-7-13; IC 14-25-7-15 SEC. 4. IN ADDITION TO THE DEFINITIONS CONTAINED IN IC 13-11-2-17(D), IC 13-11-2-35(A), IC 13-11-2-51, IC 13-11-2-158(A), IC 13-11-2-160, IC 13-11-2-260, IC 13-11-2-265, AND IN 327 IAC 1, THE FOLLOWING DEFINITIONS APPLY THROUGHOUT THIS RULE: 1. "ANIMAL" MEANS ALL MAMMALS, BIRDS, REPTILES, AMPHIBIANS, FISH, CRUSTACEANS, AND

- MOLLUSKS. 2. "AQUATIC LIFE" MEANS THOSE PLANTS AND MACROINVERTEBRATES THAT ARE DEPENDENT UPON
- AN AQUATIC ENVIRONMENT "CONTAIN" MEANS TO TAKE SUCH IMMEDIATE ACTION AS NECESSARY TO DAM, BLOCK, RESTRAIN, OR OTHERWISE ACT TO MOST EFFECTIVELY PREVENT A SPILL FROM ENTERING WATERS OF THE STATE OR MINIMIZE DAMAGE TO THE WATERS OF THE STATE FROM A SPILL
- "DAMAGE" MEANS THE ACTUAL OR IMMINENT ALTERATION OF THE WATERS OF THE STATE SO AS TO RENDER THE WATERS HARMFUL, DETRIMENTAL, OR INJURIOUS TO: A. PUBLIC HEALTH, SAFETY, OR WELFARE;
- B. DOMESTIC, COMMERCIAL, INDUSTRIAL, AGRICULTURAL, OR RECREATIONAL USES; OR C. ANIMALS OR AQUATIC LIFE. "DOWNSTREAM WATER USER" MEANS:
- A. A COMMUNITY PUBLIC WATER SUPPLY, AS IDENTIFIED BY THE DEPARTMENT OF NATURAL RESOURCES UNDER IC 14-25-7-13(D):
- B. A SIGNIFICANT WATER WITHDRAWAL FACILITY AS REGISTERED WITH THE DEPARTMENT OF NATURAL RESOURCES UNDER IC 14-25-7-15;
- C. USERS OF RECREATIONAL WATERS: OR D. ANY OTHER USER MADE KNOWN TO THE PERSON WHO HAS A SPILL.
- "EXTREMELY HAZARDOUS SUBSTANCE" MEANS A SUBSTANCE IDENTIFIED PURSUANT TO 42 U.S.C. 11002 AND 11004. (40 CFR 355 APPENDIX A.) "FACILITY" MEANS ALL LAND, BUILDINGS, EQUIPMENT, STRUCTURES, AND OTHER STATIONARY ITEMS THAT ARE LOCATED ON A SINGLE SITE OR ON CONTIGUOUS SITES AND THAT ARE OWNED OR OPERATED BY THE SAME PERSON OR BY ANY PERSON WHO CONTROLS, IS CONTROLLED BY, OR IS UNDER COMMON CONTROL WITH, SUCH PERSON.
- 8. "FACILITY BOUNDARY" MEANS THE BOUNDARY OF A FACILITY OR AN EASEMENT OR RIGHT-OF-WAY "HAZARDOUS SUBSTANCE" HAS THE MEANING SET FORTH IN 42 U.S.C. 9601(14).
- 10. "MODE OF TRANSPORTATION" INCLUDES, BUT IS NOT LIMITED TO, CARRIAGE BY: A. RAIL AND MOTOR VEHICLES;
  - B. AIRCRAFT C. WATERCRAFT D PIPELINES OR
- E. OTHER MEANS OF TRANSPORTATION; IN COMMERCE. THIS DEFINITION EXCLUDES CARRIAGE WITHIN A FACILITY BY TRANSPORTATION EQUIPMENT OWNED, OPERATED, OR CONTROLLED BY THAT FACILITY. 11. "OBJECTIONABLE SUBSTANCES" MEANS SUBSTANCES THAT ARE:
- A. OF A QUANTITY AND A TYPE: AND B. PRESENT FOR A DURATION AND IN A LOCATION; SO AS TO DAMAGE WATERS OF THE STATE. THIS DEFINITION EXCLUDES HAZARDOUS SUBSTANCES, EXTREMELY HAZARDOUS
- SUBSTANCES, PETROLEUM, AND MIXTURES THEREOF 12. "ON-SCENE COORDINATOR" MEANS A STATE OR FEDERAL OFFICIAL DESIGNATED BY THE DEPARTMENT, THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY, OR THE UNITED STATES COAST GUARD TO DIRECT AND COORDINATE SPECIAL SPILL RESPONSE ACTIVITIES.
- 13. "RECREATIONAL WATERS" MEANS ANY WATER USED FOR: A. BOATING, SWIMMING, FISHING, HUNTING, TRAPPING, OR WILDLIFE VIEWING; OR B. PUBLIC ACCESS AREAS THAT ARE OWNED BY THE DEPARTMENT OF NATURAL RESOURCES OR THE FEDERAL GOVERNMENT; AS LISTED BY THE DEPARTMENT.
- "REPORTABLE QUANTITY" MEANS THE AMOUNT OF A HAZARDOUS SUBSTANCE OR EXTREMELY HAZARDOUS SUBSTANCE THAT IS REQUIRED TO BE REPORTED UNDER FEDERAL LAW UNDER 42 U.S.C. 9602(A) AND (B) AND 42 U.S.C. 9603(A). (40 CFR 302.4 OR 40 CFR 355 APPENDIX A.) 15. "SPILL" MEANS ANY UNEXPECTED, UNINTENDED, ABNORMAL, OR UNAPPROVED DUMPING
- LEAKAGE, DRAINAGE, SEEPAGE, DISCHARGE OR OTHER LOSS OF PETROLEUM, HAZARDOUS SUBSTANCES. EXTREMELY HAZARDOUS SUBSTANCES. OR OBJECTIONABLE SUBSTANCES. THE TERM DOES NOT INCLUDE RELEASES TO IMPERMEABLE SURFACES WHEN THE SUBSTANCE DOES NOT MIGRATE OFF THE SURFACE OR PENETRATE THE SURFACE AND ENTER THE SOIL. 16. "SPILL RESPONSE", FOR PURPOSES OF THIS RULE, MEANS THE FOLLOWING:
- A. THE SPILL IS CONTAINED: AND B. FREE MATERIAL IS REMOVED OR NEUTRALIZED.
- "SPILL REPORT" MEANS AN ORAL REPORT THAT INCLUDES THE FOLLOWING INFORMATION ABOUT A SPILL, TO THE EXTENT THAT THE INFORMATION IS KNOWN AT THE TIME OF THE REPORT: A. THE NAME, ADDRESS, AND TELEPHONE NUMBER OF THE PERSON MAKING THE SPILL RFPORT
  - B. (THE NAME, ADDRESS, AND TELEPHONE NUMBER OF A CONTACT PERSON IF DIFFERENT FROM CLAUSE (A). C. THE LOCATION OF THE SPILL.
  - D THE TIME OF THE SPILL
- E. THE IDENTIFICATION OF THE SUBSTANCE SPILLED. F. THE APPROXIMATE QUANTITY OF THE SUBSTANCE THAT HAS BEEN OR MAY FURTHER BE SPILLED. G. THE DURATION OF THE SPILL.
- H. THE SOURCE OF THE SPILL.
- I. NAME AND LOCATION OF THE WATERS DAMAGED. J. THE IDENTITY OF ANY RESPONSE ORGANIZATION RESPONDING TO THE SPILL.
- K WHAT MEASURES HAVE BEEN OR WILL BE UNDERTAKEN TO PERFORM A SPILL RESPONSE L. ANY OTHER INFORMATION THAT MAY BE SIGNIFICANT TO THE RESPONSE ACTION. "WATERS", AS DEFINED IN IC 13-11-2-265, MEANS THE ACCUMULATIONS OF WATER, SURFACE AND UNDERGROUND, NATURAL AND ARTIFICIAL, PUBLIC AND PRIVATE, OR PARTS THEREOF, THAT ARE WHOLLY OR PARTIALLY WITHIN, FLOW THROUGH, OR BORDER UPON THIS STATE. THE TERM DOES NOT INCLUDE ANY PRIVATE POND OR ANY OFF-STREAM POND. RESERVOIR. OR FACILITY BUIL FOR REDUCTION OR CONTROL OF POLLUTION OR COOLING OF WATER PRIOR TO DISCHARGE UNLESS THE DISCHARGE FROM THE POND, RESERVOIR, OR FACILITY CAUSES OR THREATENS TO CAUSE WATER POLLUTION. (WATER POLLUTION CONTROL BOARD; 327 IAC 2-6.1-4; FILED FEB 25, 1997, 1:00 P.M.: 20 IR 1731; ERRATA FILED MAR 7, 1997, 2:25 P.M.: 20 IR 1738; READOPTED FILED JAN 10, 2001, 3:23 P.M.: 24 IR 1518; READOPTED FILED NOV 21, 2007, 1:16 P.M.:

327 IAC 2-6.1-5 REPORTABLE SPILLS; FACILITY

20071219-IR-327070553BFA)

- AUTHORITY: IC 13-14-8-7 AFFECTED: IC 13-11-2; IC 13-18-1; IC 13-18-3; IC 13-18-8; IC 13-18-17
- SEC. 5. THE FOLLOWING SPILLS FROM A FACILITY MUST BE REPORTED: 1. SPILLS THAT DAMAGE THE WATERS OF THE STATE SO AS TO CAUSE DEATH OR ACUTE INJURY OR ILLNESS TO HUMANS OR ANIMALS. 2. SPILLS FROM A FACILITY THAT HAS BEEN NOTIFIED IN WRITING BY A WATER UTILITY THAT IT IS LOCATED IN A DELINEATED PUBLIC WATER SUPPLY WELLHEAD PROTECTION AREA AS APPROVED
- BY THE DEPARTMENT UNDER 327 IAC 8-4.1 THAT ARE: A. SPILLS OF HAZARDOUS SUBSTANCES OR EXTREMELY HAZARDOUS SUBSTANCES WHEN THE AMOUNT SPILLED EXCEEDS ONE HUNDRED (100) POUNDS OR THE REPORTABLE QUANTITY, WHICHEVER IS LESS.
- B. SPILLS OF PETROLEUM WHEN THE AMOUNT SPILLED EXCEEDS FIFTY-FIVE (55) GALLONS; C. SPILLS OF OBJECTIONABLE SUBSTANCES AS DEFINED IN SECTION 4(11) OF THIS RULE.
- 3. SPILLS THAT DAMAGE WATERS OF THE STATE AND THAT: A. ARE LOCATED WITHIN FIFTY (50) FEET OF A KNOWN PRIVATE DRINKING WATER WELL LOCATED BEYOND THE FACILITY PROPERTY BOUNDARY; OR
  - B. ARE LOCATED WITHIN ONE HUNDRED (100) YARDS OF: ANY HIGH QUALITY WATER DESIGNATED AS AN OUTSTANDING STATE RESOURCE PURSUANT TO 327 IAC 2-1-2(3), EXCLUDING LAKE MICHIGAN;
  - ANY WATER DESIGNATED AS EXCEPTIONAL USE PURSUANT TO 327 IAC 2-13(A)(6) [SIC. 327 IAC 2-1-3(A)(6)] AND 327 IAC 2-1-11(B);
  - ANY WATER DESIGNATED AS CAPABLE OF SUPPORTING A SALMONID FISHERY PURSUANT TO 327 IAC 2-1-6(C)(1), EXCEPT LAKE MICHIGAN; OR ANY WATER THAT IS A FISH HATCHERY, FISH AND WILDLIFE AREA, NATURE PRESERVE,
- OR RECREATIONAL WATER OWNED BY THE DEPARTMENT OF NATURAL RESOURCES OR THE FEDERAL GOVERNMENT. 4. FOR ANY SPILL WHICH DOES NOT MEET THE CRITERIA IN SUBDIVISIONS (1) THROUGH (3), THE FOLLOWING MUST BE REPORTED:
  - A. SPILLS TO SURFACE WATERS SPILLS OF HAZARDOUS SUBSTANCES OR EXTREMELY HAZARDOUS SUBSTANCES WHEN THE AMOUNT SPILLED EXCEEDS ONE HUNDRED (100) POUNDS OR THE
  - REPORTABLE QUANTITY, WHICHEVER IS LESS; • SPILLS OF PETROLEUM OF SUCH QUANTITY AS TO CAUSE A SHEEN UPON THE
  - WATERS:OR SPILLS OF OBJECTIONABLE SUBSTANCES AS DEFINED IN SECTION 4(11) OF THIS RULE. B. SPILLS TO SOIL BEYOND THE FACILITY BOUNDARY: SPILLS OF HAZARDOUS SUBSTANCES OR EXTREMELY HAZARDOUS SUBSTANCES
  - WHEN THE AMOUNT SPILLED EXCEEDS ONE HUNDRED (100) POUNDS OR THE REPORTABLE QUANTITY, WHICHEVER IS LESS: SPILLS OF PETROLEUM WHEN THE AMOUNT SPILLED EXCEEDS FIFTY-FIVE (55)
  - GALLONS;OR SPILLS OF OBJECTIONABLE SUBSTANCES AS DEFINED IN SECTION 4(11) OF THIS RULE. C. SPILLS TO SOIL WITHIN THE FACILITY BOUNDARY:
  - SPILLS OF HAZARDOUS SUBSTANCES OR EXTREMELY HAZARDOUS SUBSTANCES WHEN THE AMOUNT SPILLED EXCEEDS THE REPORTABLE QUANTITY; • SPILLS OF PETROLEUM WHEN THE SPILLED AMOUNT EXCEEDS ONE THOUSAND (1,000)
- GALLONS: OR • SPILLS OF OBJECTIONABLE SUBSTANCES AS DEFINED IN SECTION 4(11) OF THIS RULE. ANY SPILL FOR WHICH A SPILL RESPONSE HAS NOT BEEN DONE.

(WATER POLLUTION CONTROL BOARD; 327 IAC 2-6.1-5; FILED FEB 25, 1997, 1:00 P.M.: 20 IR 1732; ERRATA FILED MAR 7, 1997, 2:25 P.M.: 20 IR 1738; READOPTED FILED JAN 10, 2001, 3:23 P.M.: 24 IR 1518; READOPTED FILED NOV 21, 2007, 1:16 P.M.: 20071219-IR-327070553BFA)

327 IAC 2-6.1-6 REPORTABLE SPILLS; TRANSPORTATION AUTHORITY: IC 13-14-8-7

- AFFECTED: IC 13-11-2; IC 13-18-1; IC 13-18-3; IC 13-18-8; IC 13-18-17 SEC. 6. THE FOLLOWING SPILLS FROM A MODE OF TRANSPORTATION MUST BE REPORTED: 1. SPILLS THAT DAMAGE THE WATERS OF THE STATE SO AS TO CAUSE DEATH OR ACUTE INJURY OR ILLNESS TO HUMANS OR ANIMALS.
- 2. SPILLS THAT DAMAGE SURFACE WATERS

- 3. SPILLS TO SOI A. SPILLS OF HAZARDOUS SUBSTANCES OR EXTREMELY HAZARDOUS SUBSTANCES WHEN THE AMOUNT SPILLED EXCEEDS ONE HUNDRED (100) POUNDS OR THE REPORTABLE QUANTITY, WHICHEVER IS LESS: B. SPILLS OF PETROLEUM WHEN THE AMOUNT SPILLED EXCEEDS FIFTY-FIVE (55) GALLONS;
- C. SPILLS OF OBJECTIONABLE SUBSTANCES AS DEFINED IN SECTION 4(11) OF THIS RULE. ANY SPILL FOR WHICH A SPILL RESPONSE HAS NOT BEEN DONE. (WATER POLLUTION CONTROL BOARD; 327 IAC 2-6.1-6; FILED FEB 25, 1997, 1:00 P.M.: 20 IR 1733; READOPTED FILED JAN 10, 2001, 3:23 P.M.: 24 IR 1518; READOPTED FILED NOV 21, 2007, 1:16 P.M.: 20071219-IR-327070553BFA)
- 327 IAC 2-6.1-7 REPORTABLE SPILLS; RESPONSIBILITIES AUTHORITY IC 13-14-8-7
- AFFECTED: IC 13-11-2: IC 13-18-1: IC 13-18-3: IC 13-18-8: IC 13-18-17 SEC. 7. ANY PERSON WHO OPERATES, CONTROLS, OR MAINTAINS ANY MODE OF TRANSPORTATION OR FACILITY FROM WHICH A SPILL OCCURS SHALL, UPON DISCOVERY OF A REPORTABLE SPILL TO THE SOIL OR SURFACE WATERS OF THE STATE. DO THE FOLLOWING:
- CONTAIN THE SPILL, IF POSSIBLE, TO PREVENT ADDITIONAL SPILLED MATERIAL FROM ENTERING THE WATERS OF THE STATE.
- 2. UNDERTAKE OR CAUSE OTHERS TO UNDERTAKE ACTIVITIES NEEDED TO ACCOMPLISH A SPILL RESPONSE 3. AS SOON AS POSSIBLE, BUT WITHIN TWO (2) HOURS OF DISCOVERY, COMMUNICATE A SPILL REPORT TO THE DEPARTMENT OF ENVIRONMENTAL MANAGEMENT, OFFICE OF LAND QUALITY, EMERGENCY RESPONSE SECTION: AREA CODE 1-888-233-7745 FOR IN-STATE CALLS (TOLL FREE), (317) 233-7745 FOR OUT-OF-STATE CALLS. IF NEW OR UPDATED SPILL REPORT INFORMATION RECOMES KNOWN THAT INDICATES A SIGNIFICANT INCREASE IN THE LIKELIHOOD OF DAMAGE TO THE WATERS OF THE STATE, THE RESPONSIBLE PARTY SHALL NOTIFY THE DEPARTMENT AS SOON AS POSSIBLE BUT WITHIN TWO (2) HOURS OF THE TIME THE NEW OR UPDATED
- INFORMATION BECOMES KNOWN. 4. SUBMIT TO THE INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT, OFFICE OF LAND QUALITY, EMERGENCY RESPONSE SECTION (MC 66-30), 2525 N. SHADELAND AVE., SUITE 100, INDIANAPOLIS, IN 46219-1787, A WRITTEN COPY OF THE SPILL REPORT IF REQUESTED IN WRITING BY THE DEPARTMENT
- EXCEPT FROM MODES OF TRANSPORTATION OTHER THAN PIPELINES, EXERCISE DUE DILIGENCE AND DOCUMENT ATTEMPTS TO NOTIFY THE FOLLOWING
  - A. FOR SPILLS TO SURFACE WATER THAT CAUSE DAMAGE, THE NEAREST AFFECTED DOWNSTREAM WATER USER LOCATED WITHIN TEN (10) MILES OF THE SPILL AND IN THE STATE OF INDIANA AND
  - B. FOR SPILLS TO SOIL OUTSIDE THE FACILITY BOUNDARY, THE AFFECTED PROPERTY OWNER OR OWNERS, OPERATOR OR OPERATORS, OR OCCUPANT OR OCCUPANTS. (WATER POLLUTION CONTROL BOARD: 327 IAC 2-6.1-7: FILED FEB 25, 1997, 1:00 P.M.: 20 IR 1733 RFADOPTED FILED JAN 10. 2001. 3:23 P.M.: 24 IR 1518; ERRATA FILED FEB 6, 2006, 11:15 A.M.: 29 IR 1936; ERRATA FILED OCT 20, 2006, 10:08 A.M.: 20061101-IR-327060497ACA; READOPTED FILED NOV 21, 2007, 1:16 P.M.: 20071219-IR-327070553BFA; ERRATA FILED MAY 27, 2008, 2:06 P.M.: 20080625-IR-327080419ACA)

327 IAC 2-6.1-8 EMERGENCY SPILL RESPONSE ACTIONS AUTHORITY: IC 13-14-8-7

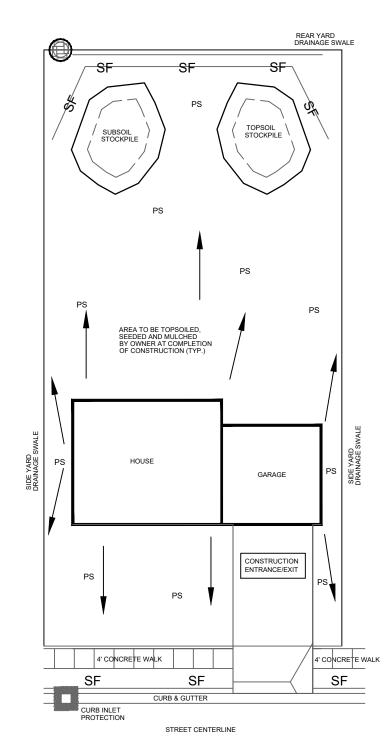
AFFECTED: IC 13-11-2; IC 13-18-1; IC 13-18-3; IC 13-18-8; IC 13-18-17 SEC. 8. NOTWITHSTANDING ANY OTHER SECTION OF THIS RULE, EMERGENCY SPILL RESPONSE ACTIONS TAKE PRECEDENCE OVER REPORTING REQUIREMENTS, AND WHEN EMERGENCY SPILL RESPONSE ACTIVITIES RENDER SPILL REPORTING INCONSISTENT WITH EFFECTIVE RESPONSE ACTIVITIES, COMMUNICATION OF THE SPILL REPORT TO THE INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT MAY BE DELAYED. IN SITUATIONS WHERE THE SPILL REPORT IS DELAYED, THE BURDEN OF PROVING THE NEED FOR THE DELAY SHALL BE UPON THE RESPONSIBLE PERSON. (WATER POLLUTION CONTROL BOARD; 327 IAC 2-6.1-8; FILED FEB 25, 1997, 1:00 P.M.: 20 IR 1734; READOPTED FILED JAN 10, 2001, 3:23 P.M.: 24 IR 1518; READOPTED FILED NOV 21, 2007, 1:16 P.M.: 20071219-IR-327070553BFA)

327 IAC 2-6.1-9 COMPLIANCE CONFIRMATION

AUTHORITY: IC 13-14-8-7 AFFECTED: IC 13-11-2: IC 13-18-1: IC 13-18-3: IC 13-18-8: IC 13-18-17 SEC. 9. WHEN SPILL REPORTING AND RESPONSE, AS PROVIDED FOR IN THIS RULE. HAS OCCURRED, THE DEPARTMENT SHALL, UPON REQUEST, ISSUE A LETTER CONFIRMING COMPLIANCE WITH THIS RULE AND STATING THAT NO FURTHER ACTION IS REQUIRED UNDER THIS RULE. (WATER POLLUTION CONTROL BOARD; 327 IAC 2-6.1-9; FILED FEB 25, 1997, 1:00 P.M.: 20 IR 1734; READOPTED FILED JAN 10, 2001, 3:23 P.M.: 24 IR 1518; READOPTED FILED NOV 21, 2007, 1:16 P.M.: 20071219-IR-327070553BFA)

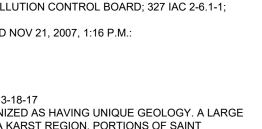
#### SOILS TYPE LEGEND

- BROOKSTON SILTY CLAY LOAM THE MAIN SOIL FEATURES THAT ADVERSELY AFFECT ENGINEERING USES OF THIS SOIL ARE A SEASONAL HIGH WATER TABLE. HIGH POTENTIAL FROST ACTION. MODERATE SHRINK-SWELL POTENTIAL, AND MODERATE PERMEABILITY. THIS SOIL HAS SEVERE LIMITATIONS FOR BUILDING SITES. THE SITES NEED TO BE ARTIFICIALLY DRAINED AND PROTECTED FROM FLOODING. DWELLINGS AND SMALL BUILDINGS WITH BASEMENTS SHOULD NOT BE CONSTRUCTED ON THIS SOIL. USING PROPERLY DESIGNED FOUNDATIONS AND FOOTINGS HELPS TO PREVENT STRUCTURAL DAMAGE FROM FROST ACTION AND SHRINKING AND SWELLING OF THE SOIL. THIS SOIL HAS SEVERE LIMITATIONS FOR LOCAL ROADS AND STREETS BECAUSE OF SEASONAL HIGH WATER TABLE AND HIGH POTENTIAL FROST ACTION. INSTALLATION OF DRAINAGE DITCHES ALONG ROADS HELPS TO LOWER THE WATER TABLE AND PREVENT DAMAGE FROM FROST ACTION. THE BASE MATERIAL FOR ROADS AND STREETS SHOULD BE REPLACED OR STRENGTHENED WITH SUITABLE MATERIAL.
- CrA CROSBY SILT LOAM 0 TO 2 PERCENT SLOPES. THE MAIN SOIL FEATURES THAT ADVERSELY AFFECT THE ENGINEERING USES OF THIS SOIL ARE A SEASONAL HIGH WATER TABLE, MODERATE SHRINK-SWELL POTENTIAL, HIGH POTENTIAL FROST ACTION, AND SLOW PERMEABILITY, THIS SOIL HAS SOME SEVERE LIMITATIONS FOR BUILDING SITES. THE SITES NEED TO BE ARTIFICIALLY DRAINED TO PREVENT WETNESS FROM BECOMING A PROBLEM. DWELLINGS AND SMALL BUILDINGS WITH BASEMENTS SHOULD NOT BE CONSTRUCTED ON THIS SOIL. USING PROPERLY DRAINED FOUNDATIONS AND FOOTINGS HELPS TO PREVENT STRUCTURAL DAMAGE FROM LOW STRENGTH AND SHRINKING AND SWELLING OF THE SOIL. THIS SOIL HAS SEVER LIMITATIONS FOR LOCAL ROADS AND STREETS. THE BASE MATERIAL FOR ROADS NEEDS TO BE STRENGTHENED OR REPLACED WITH SUITABLE MATERIAL.



SAMPLE EROSION/SEDIMENT CONTROL PRACTICE PLAN FOR A TYPICAL ONE/TWO FAMILY DWELLING UNDER CONSTRUCTION

1518; READOPTED FILED NOV 21, 2007, 1:16



- Y, EMERGENCY RESPONSE SECTION: AREA 17) 233-7745 FOR OUT-OF-STATE CALLS. ED FEB 25, 1997, 1:00 P.M.: 20 IR 1731: DOPTED FILED NOV 21, 2007, 1:16 P.M.: 06 P.M.: 20080625-IR-327080419ACA)
- THIS RULE, THE REPORTING REQUIREMENT
- THE JURISDICTION OF AN APPLICABLE PERMIT
- Y THE PERMIT AND DEATH OR ACUTE INJURY UT NOT LIMITED TO: PESTICIDES ON OR TO LAND OR WATER; OR
- CONSTRUCTION THAT DOES NOT DAMAGE
- E OF MOTOR VEHICLES OR OTHER
- THAN OR EQUAL TO FIFTY-FIVE (55) GALLONS IAL OPERATION OF PROPERLY FUNCTIONING

- RESPONSE ACTIVITY THAT HAS BEEN RAL ONSCENE COORDINATOR.
- ED FEB 25, 1997, 1:00 P.M.: 20 IR 1731; ERRATA

EROSION CONTROL PLAN PLAN NOTE

1. THIS PLAN IS DESIGNED TO PREVENT ANY AND ALL SEDIMENT FROM LEAVING THE SITE. THE OWNER SHALL TAKE PREVENTATIVE ACTION IMMEDIATELY. IF NEEDED TO PREVENT EROSION OR LOSS OF SEDIMENT FROM THE SITE.

- 2. TEMPORARY SEEDING IS TO BE APPLIED TO ANY GRADED AREA THAT WILL REMAIN UNALTERED FOR AN EXTENDED PERIOD OF TIME.
- 3. PERMANENT SEEDING IS TO BE APPLIED IMMEDIATELY TO AREAS THAT HAVE ACHIEVED FINAL AND FINISHED GRADE.
- . PRESERVE EXISTING VEGETATION ON THE SITE WHENEVER AND WHEREVER POSSIBLE TO PREVENT TOPSOIL EROSION. 5. ALL SEDIMENT CAPTURING MEASURES ARE TO BE IMPLEMENTED PRIOR TO THE

NOTE: ALL HOMES SHALL MEET THE LANDSCAPING REQUIREMENTS PER

NOTES:

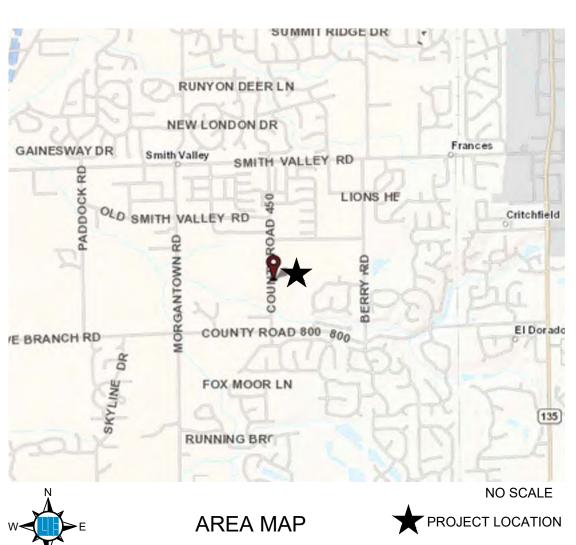
THE ZONING COMMITMENTS.

- DISTURBANCE OF THE CONSTRUCTION AREA THEY ARE INTENDED TO SERVICE. 6. ALL EROSION CONTROL MEASURES ARE TO BE PROPERLY MAINTAINED TO
- CONTINUE THEIR EFFECTIVENESS. 7. IF GRADING OCCURS DURING DECEMBER, JANUARY OR FEBRUARY, DORMANT
- SEEDING PROCEDURES SHALL BE USED. 8. DURING DRY WEATHER, KEEP LAWNS WATERED BY APPROVED METHODS. RESEED ANY AREAS NOT GERMINATING OR DAMAGED AT INTERVALS AS MAY BE REQUIRED ACCORDING TO SEASONAL CONDITIONS AND/OR CONSTRUCTION ACTIVITY. WATER GRASS AND EXECUTE NECESSARY WEEDING UNTIL FULL
- STAND OF GRASS HAS BEEN OBTAINED . THE IMPLEMENTATION AND MAINTENANCE OF THE EROSION CONTROL IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND/OR OWNER. IT SHALL BE THE CONTRACTOR'S AND/OR OWNER'S RESPONSIBILITY TO MINIMIZE SEDIMENTATION FROM ON-SITE CONSTRUCTION ACTIVITIES FROM BEING DEPOSITED ONTO ADJACENT PROPERTIES AND RECEIVING STREAMS/DITCHES IN STRICT COMPLIANCE WITH "RULE 5" (327 IAC 15-5, CONSTRUCTION ACTIVITY STORMWATER RUNOFF CONTROL).IT SHALL ALSO BE THE CONTRACTOR'S OR OWNER'S RESPONSIBILITY TO OBTAIN ANY APPROVALS REQUIRED FROM THE LOCAL AUTHORITY AND TO SUBMIT A COMPLETE NOTICE
- OF INTENT LETTER TO THE OFFICE OF WATER MANAGEMENT, INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT PRIOR TO ANY CONSTRUCTION ACTIVITY 11. PROVIDE - #2 CRUSHED STONE CONSTRUCTION ENTRANCE(S) TO SITE FROM STREETS/ROADS.
- 12. IT SHALL BE THE CONTRACTOR'S AND/OR OWNER'S RESPONSIBILITY TO IMPLEMENT AN EROSION CONTROL PLAN FOR EACH LOT, THE BUILDER MAY IMPLEMENT A DIFFERENT EROSION CONTROL PLAN AS LONG AS IT MEETS OR EXCEEDS RULE 5 REGULATIONS.

# CONTROL PLAN LEGEN

### - FINISH GRADE/WATER FLOW - PROPERTY LINE/DRAINAGE SWALE - PERMANENT SEEDING - RIP RAP/GRAVEL DRIVE/EXIT PAD

- CURB INLET PROTECTION (SEE DETAIL)
- SILT FENCE BOX AROUND BEEHIVE INLETS (SEE DETAIL





## SOILS MAP

## SOILS TYPE LEGEND

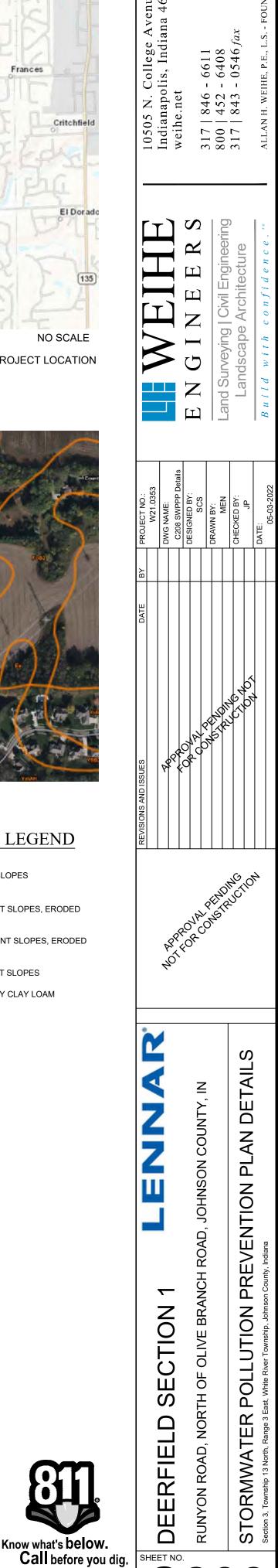
Ee - EEL SILT LOAM 0 TO 2 PERCENT SLOPES

FoB2 - FOX LOAM 2 TO 6 PERCENT SLOPES, ERODED

FxC2 - FOX COMPLEX 6 TO 12 PERCENT SLOPES, ERODED

ObaA - OCKLEY LOAM 0 TO 2 PERCENT SLOPES Re - RENSSELAER SILTY CLAY LOAM

Sk - SLEETH LOAM



LENNAR HOMES OF INDIANA, LLC 11555 N. MERIDIAN STREET, SUITE 400 CARMEL, INDIANA 46032 TELEPHONE: (317) 339-9936 CONTACT PERSON: NEIL VAN TREES neil.vantrees@lennar.com 811 or 800-382-5544 24 Hours a Day, 7 Days a Week.

Within Indiana Call

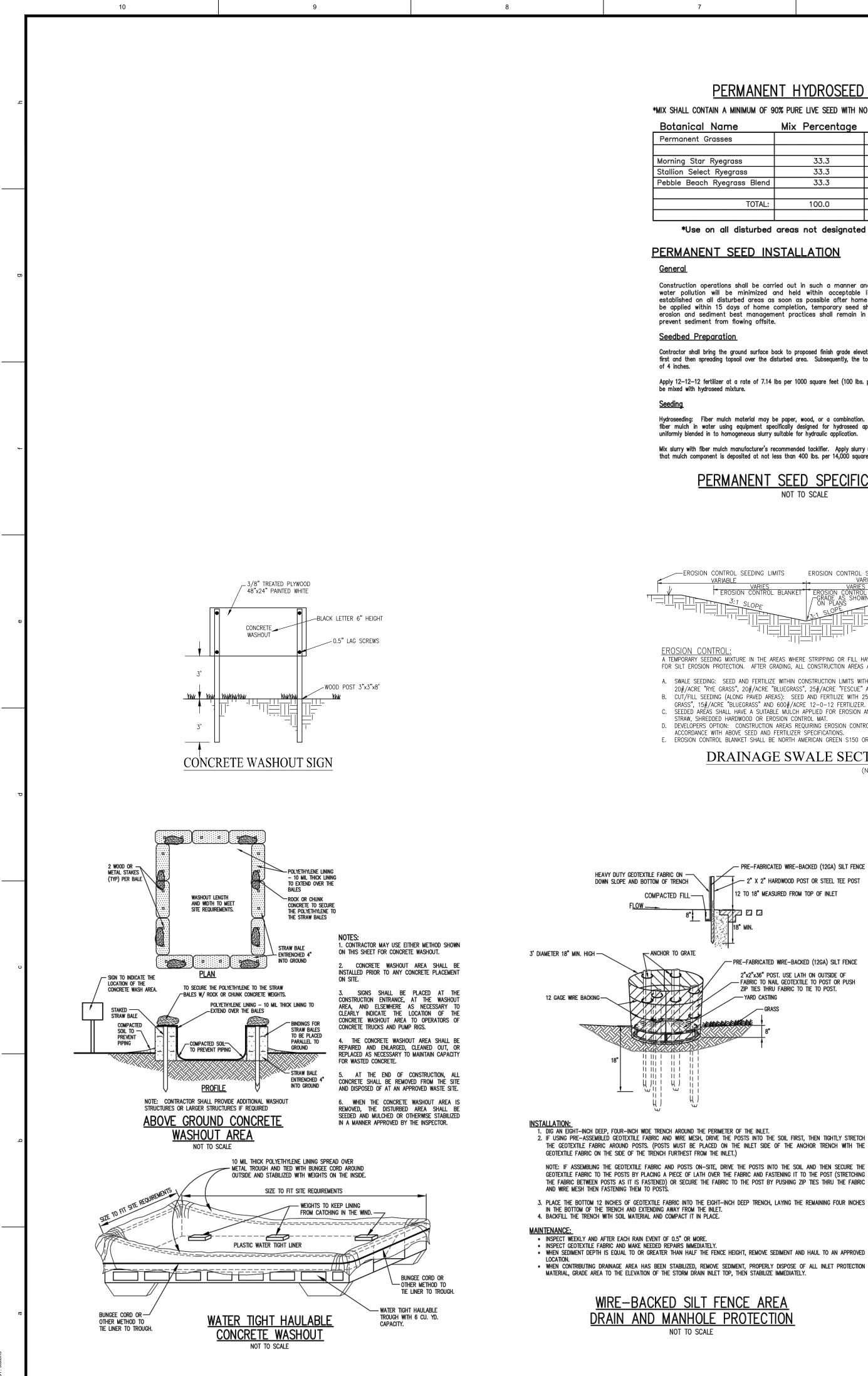
PER INDIANA STATE LAW IC 8-1-26. IT IS AGAINST THE LAW TO EXCAVATE

WITHOUT NOTIFYING THE UNDERGROUND LOCATION SERVICE TWO (2) WORKING DAYS BEFORE COMMENCING WORK.

ROJECT NO.

W21.0353

1. PERSON IN CHARGE OF SWPPP IMPLEMENTATION:



10

### PERMANENT HYDROSEED MIX

\*MIX SHALL CONTAIN A MINIMUM OF 90% PURE LIVE SEED WITH NO MORE THAN 1% WEED SEED. Botanical Name Mix Percentage \*Ib./1000 sq. ft.

anent Grasses		
ng Star Ryegrass	33.3	2.33
on Select Ryegrass	33.3	2.33
e Beach Ryegrass Blend	33.3	2.33
TOTAL:	100.0	7.00

#### PERMANENT SEED INSTALLATION

Construction operations shall be carried out in such a manner and sequence that erosion and water pollution will be minimized and held within acceptable limits. Vegetation shall be established on all disturbed areas as soon as possible after home completion. If seed cannot be applied within 15 days of home completion, temporary seed shall be applied and adequate erosion and sediment best management practices shall remain in place and be maintained to prevent sediment from flowing offsite.

#### Seedbed Preparation

VARIABLE

Contractor shall bring the ground surface back to proposed finish grade elevations by placing stockpiled subsoils first and then spreading topsoil over the disturbed area. Subsequently, the topsoil will be pulverized to a depth

Apply 12-12-12 fertilizer at a rate of 7.14 lbs per 1000 square feet (100 lbs. per 14,000 sq. ft.). Fertilizer may be mixed with hydroseed mixture.

Hydroseeding: Fiber mulch material may be paper, wood, or a combination. Mix specified seed, fertilizer and fiber mulch in water using equipment specifically designed for hydroseed applications. Continue mixing until uniformly blended in to homogeneous slurry suitable for hydraulic application.

Mix slurry with fiber mulch manufacturer's recommended tackifier. Apply slurry uniformly to all disturbed areas so that mulch component is deposited at not less than 400 lbs. per 14,000 square feet.

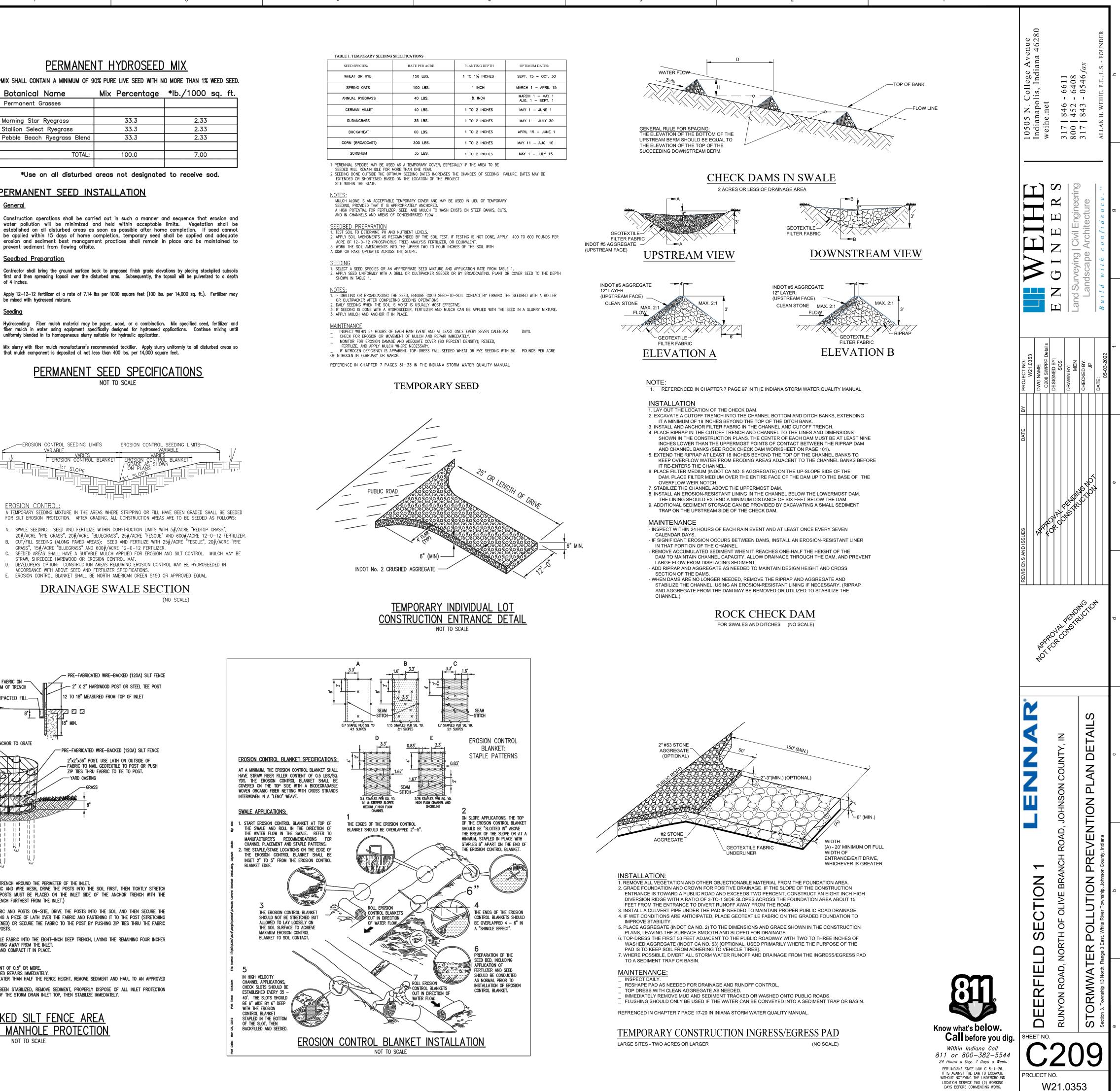
## PERMANENT SEED SPECIFICATIONS

SEED SPECIES:	RATE PER ACRE	PLANTING DEPTH	OPTIMUM DATES2
WHEAT OR RYE	150 LBS.	1 TO 11/2 INCHES	SEPT. 15 – OCT. 30
SPRING OATS	100 LBS.	1 INCH	MARCH 1 - APRIL 15
ANNUAL RYEGRASS	40 LBS.	1/4 INCH	MARCH 1 — MAY 1 AUG. 1 — SEPT. 1
GERMAN MILLET	40 LBS.	1 TO 2 INCHES	MAY 1 — JUNE 1
SUDANGRASS	35 LBS.	1 TO 2 INCHES	MAY 1 - JULY 30
BUCKWHEAT	60 LBS.	1 TO 2 INCHES	APRIL 15 – JUNE 1
CORN (BROADCAST)	300 LBS.	1 TO 2 INCHES	MAY 11 - AUG. 10
SORGHUM	35 LBS.	1 TO 2 INCHES	MAY 1 - JULY 15

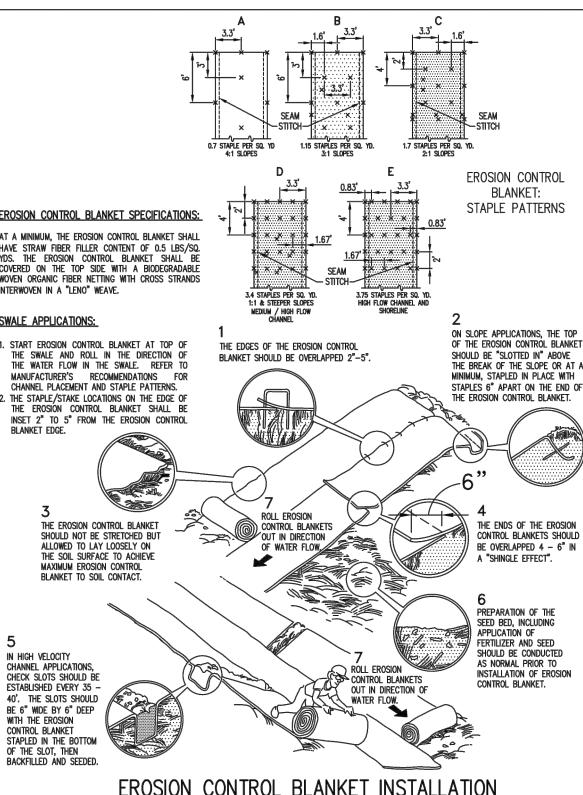
EXTENDED OR SHORTENED BASED ON THE LOCATION OF THE PROJECT

SEEDING, PROVIDED THAT IT IS APPROPRIATELY ANCHORED. A HIGH POTENTIAL FOR FERTILIZER, SEED, AND MULCH TO WASH EXISTS ON STEEP BANKS, CUTS, AND IN CHANNELS AND AREAS OF CONCENTRATED FLOW.

SHOWN IN TABLE 1.



4



- PRE-FABRICATED WIRE-BACKED (12GA) SILT FENCE 2" X 2" HARDWOOD POST OR STEEL TEE POST 12 TO 18" MEASURED FROM TOP OF INLET 18" MIN. - PRE-FABRICATED WIRE-BACKED (12GA) SILT FENCE 2"x2"x36" POST, USE LATH ON OUTSIDE OF - FABRIC TO NAIL GEOTEXTILE TO POST OR PUSH ZIP TIES THRU FABRIC TO TIE TO POST. - YARD CASTING

2. IF USING PRE-ASSEMBLED GEOTEXTILE FABRIC AND WIRE MESH, DRIVE THE POSTS INTO THE SOIL FIRST, THEN TIGHTLY STRETCH THE GEOTEXTILE FABRIC AROUND POSTS. (POSTS MUST BE PLACED ON THE INLET SIDE OF THE ANCHOR TRENCH WITH THE

NOTE: IF ASSEMBLING THE GEOTEXTILE FABRIC AND POSTS ON-SITE, DRIVE THE POSTS INTO THE SOIL AND THEN SECURE THE GEOTEXTILE FABRIC TO THE POSTS BY PLACING A PIECE OF LATH OVER THE FABRIC AND FASTENING IT TO THE POST (STRETCHING HE FABRIC BETWEEN POSTS AS IT IS FASTENED) OR SECURE THE FABRIC TO THE POST BY PUSHING ZIP TIES THRU THE FABRIC

PLACE THE BOTTOM 12 INCHES OF GEOTEXTILE FABRIC INTO THE EIGHT-INCH DEEP TRENCH, LAYING THE REMAINING FOUR INCHES IN THE BOTTOM OF THE TRENCH AND EXTENDING AWAY FROM THE INLET.
 BACKFILL THE TRENCH WITH SOIL MATERIAL AND COMPACT IT IN PLACE.

• WHEN SEDIMENT DEPTH IS EQUAL TO OR GREATER THAN HALF THE FENCE HEIGHT, REMOVE SEDIMENT AND HAUL TO AN APPROVED

WIRE-BACKED SILT FENCE AREA DRAIN AND MANHOLE PROTECTION

	103			
		EROSION CONTROL CONSTRUCTION SEQUE		19. P
٢	CONSTRUCTION PHASE (SPECIFIC ACTIVITIES OR ENDSON CONTROL PRACTICES)	CONSTRUCTION SCHEDULE CONSIDERATION		AINTENANCE SCHEDULE
	PRE-CONSTRUCTION ACTIONS (FURUATION / PROTECTION OF INFORMATI SITE CHARACTERISTICS)	BEFORE CONSTRUCTION, EVALUATE, MARK, AND PROTECT IMPORTANT TREES AND ASSOCIATED ROOTING ZONES, UNIQUE AREAS (e.g., WETLANDS) TO BE PRESERVED, & VEGETATION SUITABLE FOR FILTER STRIPS, ESPECIALLY IN PERIMETER AREAS, INSTALL SILT FENCE	ESTABLISH AND EVALUATE PROJECT ASS WHOM WILL BE IN CHARGE OF OVERSEEN	GN SUPERINTENDENT/NCOIG
	CONSTRUCTION ACCESS* (CONSTRUCTION ENTRANCES, CONSTRUCTION ROUTES, EQUIPMENT PARKING AREAS)	STABILIZE BARE AREAS IMMEDIATELY WITH GRAVEL AND TEMPORARY VEGETATION AS WORK TAKES PLACE	INSPECT CONSTRUCTION ENTRANCE WEEK EVENTS AND HEAVY USEAGE, RESHAPE V NEEDED INCLUDING REMOVAL OF IMMEDIA SWEEPING OR BRUSHING.	EY AND AFTER STORM NOT TOP DRESS AS TE SEDMENTS BY
ס	SEDIMENT BARRIERS AND TRAPS (SEDIMENT BASHIS, SET FENCES, OUTLET PROTECTION, ALTER SOCK)	INSTALL PRINCIPLE BASINS AFTER CONSTRUCTION SITE IS ASSESSED. INSTALLED ADDITIONAL, TRAPS AND BARRIERS AS NEEDED DURING GRADING & INSTALL PERIMETER SWALES. (EROSION CONTROL MEASURES)	WSPECT THE SILT FENCE WEEKLY AND A AND MAKE NEEDED REPAIRS IMMEDIATEL AVOID DAMAGING OR UNDERCUTTING THE FABRIC DURING SEDIMENT REMOVAL WHEN THE CONTRIBUTING AREA HAS BEE REMOVE AND PROPERLY DISPOSED OF A AND SEDIMENT.	N STABILIZED
	RUNOFF CONTROL* (DVERSIOLS) PERMETER DIES, WATER BARS, DUILET PROTECTION)	INSTALL PRACTICES AFTER PRINCIPAL SEDIMENT TRAPS ARE INSTALLED BUT BEFORE SITE GRADING INSTALL ADDITIONAL RUNOFF CONTROL MEASURES DURING GRADING AS NEEDED.	INSPECT THE SEDIMENT BASINS WEEKLY REMOVE AND PROPERLY DISPOSE OF SEI ACCUMULATES TO ONE-HALF THE DESIG	JIMENT WEEK 11
	RUNOFF CONVEYANCE SYSTEMS (STUBLIZED STREAM BANKS, STORM DRAINS, IMET AND OUTLET PROTECTION, CHANNELS)	WHEN NECESSARY INSTALL PRINCIPLE CONVEYING SYSTEM WITH RUNOFF CONTROL MEASURES INSTALL REMAINDER OF SYSTEM AFTER GRADING.	INSPECT VEGETATION, AND RE-SEED IF	NECESSARY
	LAND CLEARING AND GRADING* (OUTING FILING GRADING DRAINS SEDMENT, IRAPS RAPATERS DIVERSIONS SURFACE ROUCHENNES)	BEGIN MAJOR CLEARING AND GRADING AFTER INSTALLING THE KEY SEDIMENT AND RUNOFF MEASURES, INSTALL ADDITIONAL CONTROL MEASURES AS GRADING PROGRESSES.	INSPECT NEWLY TOPSOIL AREAS WEEKLY IS ESTABLISHED REPAIR ERODED OF DAMAGED AREAS AI	
Ļ	SURFACE STABILIZATION (DUPCARY AND PERMANENT SEEDING WILDING SODONG REP-RUP)	APPLY TEMPORARY OR PERMANENT STABILIZATION MEASURES IMMEDIATECY ON ALL DISTURBED AREAS WHEN WORK IS DELAYED OR COMPLETED F LEFT INACTIVE FOR MORE THAN IS DAYS, MORE APPROPRIATE MEASURES WILL BE IMPLEMENTED TO STABILIZE THE SITE INSTALL GEOTEXTILE, TGRAVEL & INFRASTRUCTURE FOR LIGHTEN	INSPECT WEEKLY AND ESPECIALLY AFTER UNTIL THE TEMPORARY VEGETATION IS S REPAIR DAMAGED, BARE, OR SPARES AN GULLIES, OVER-ALL RE-SEEDING, AND I IF PLANT COVERAGE IS SPARSE OR PAU MATERIALS CHOSEN, SOIL FERTILITY, MO AND MULCHING, THEN REPAIR THE AFFE OVER-SEEDING OR BY RE-SEEDING AND IF WASHOUT, OR BREAKAGE, OR EROSIC SURFACE, THEN RE-SEED, RE-MULCH / CONTINUE INSPECTIONS UNTIL VEGETATION INSPECT PERIODICALLY FOR DISPLACED EROSION, ESPECIALLY DOWNSTREAM	SUCCESSFULLT ESTABLISHED REAS BY FILLING ANY NULCHING ICHY, REVIEW THE PLANT ISTURE CONDITION, ISTURE CONDITION, ISTURE CONDITION, ISTURE AREA EITHER BY MULCHING AFTER PREPARING THE SEE NIS PRESENT, REPAIR THE WD, IF APPLICABLE, INSTALL NEW-NETT ON IS FERMILY ESTABLISHED.
	CONSTRUCTION SITE (BULONG UTLITES GRAVE, CONCHETE PAGE)	INSTALL NECESSARY EROSION AND SEDIMENT CONTROL PRACTICES AS WORK TAKES PLACE. IF LEFT WACTIVE FOR MORE THAN 15 DAYS, MORE APPROPRIATE MEASURES WILL BE IMPLEMENTED TO STABLUZE THE SITE.	DURING VEGETATIVE ESTABLISHMENT, IN EVENTS FOR ANY EROSION BELOW THE IFLANY AREAS SHOWS EROSION, PULL I SLANKET COVERING IT, ADD SOIL, RE-S AND STAPLE THE BLANKET AFTER VEGETATIVE ESTABLISHMENT, CH	BLANKET OR MOLCHING. BACK THAT PORTION OF THE SEED THE AREA, AND RE-LAY
ω	LANDSCAPING & FINAL STABILIZATION (TOPSOL, TREES, AND SHRUBS, PERMANDUT SEEDING WILDING, SOUNG, RP-RAP) (POST CONSTRUCTION)	STABILIZE ALL OPEN AREAS INCLUDING BORROW AND SPOIL AREAS REMOVE TEMPORARY CONTROL MEASURES AND STABILIZE PERMANENT SEED ALL BARE SOLL AREAS. CONVERT SEDIMENT BASINS INTO PERMANENT DETENTION BASINS	INSPECT WEEKLY AND ESPECIALLY AFTE UNTIL THE STRAND IS SUCCESSFULLY E REPAIRED DAMAGED, BARE, OR SPARSE GULLES, RE-FERTILIZING IF PLANT COVERAGE IS LESS THAN 70 MATERIALS ICHOSEN, SOIL FERTILITY, MI AND MULCHING: THEN REPAIR THE AFF OVER-SEEDING OR BY RE-SEEDING AN IF ADDITIONAL FERTILIZATION IS NEEDED SATISFACTORY STAND, DO SO ACCORD MONITOR QUITLET OF SPILLWAY FOR ER	STABLISHED. AREAS FILLING ANY STURE CONDITION ECTED AREA EITHER BY D MULCHING AFTER PREPARING THE SE D TO GET A NG TO SOL TEST RECOMMENDATIONS.
		ACTIVITY	SCHEDULE/FREQUENCY	
	SINGLE MONTH	IENT. REDUCE MOWING FREQUENCY OF THE EMBANKMENTS TO A LY MOWING AT HEIGHT OF 6-8 INCHES DURING THE MONTHS OF MAY FEMBER. ELIMINATE ANY USE OF COMMERCIAL FERTILIZERS AND	MONTHLY	
	PESTICIDES IN F CLEARING INLET AND REDUCED I MONITOR AND E REPAIR UNDERG MONITOR EROS SEED OR SOD T INSPECT EMBAN ENSURE THAT II INSPECT SEDIM INSPECT THE FA		WEEKLY / ½" RAIN EVENT MONTHLY BI-WEEKLY BI-WEEKLY MONTHLY MONTHLY WEEKLY / ½" RAIN EVENT ANNUALLY MONTHLY (SEASONAL) SEMI-MONTHLY / ½" RAIN EVENT	
		PROTOCOL FOR STAGING PORT	ABLE TOILETS	DANDY DEW
U		appropriate measures shall be implemented objectionable substances from a portable toil run-off. All portable toilet units be will provided by a p will transport, deliver, stage, and maintain ead	statutes and regulations. In accordance with ements for storm water quality control: d to minimize or eliminate wastewater (i.e. et unit) being carried from the project site by professional sanitation service contractor who ch unit in accordance with applicable statutes	PUMP DISCHARGE HOSE
		and regulations. Each unit shall be equipped sanitizer dispenser / handwash sink. Objection disposed of by the professional sanitation ser statutes and regulations. The Builder will prepare a designated location toilet unit. The preferred location for each discourage frequent relocation of the unit; how frequently, as long as sequencing protocol is	onable waste contained within the unit will be rvice contractor in compliance with applicable n for placement and staging of each portable h unit will promote long term staging, and wever, the Builder may relocate the unit more	SEWN IN SPOUT WATER PUMP
م		<ul> <li>will be implemented for portable toilets units:</li> <li>o Each unit will be staged on a reasonab graveled construction entrance when s</li> <li>o Each unit, when located on an individual perimeter BMPs;</li> <li>o On occasion, units may be <i>temporarily</i> appropriate perimeter BMPs are utilized</li> <li>o When possible, units may be staged with the staged</li></ul>	ly level / flat ground; this may include a ite conditions are appropriate; al lot, must be placed behind or within staged on a non-permeable surface when d;	DANDY™ DEWATERING BAG
		falls, optimal staging may include the ir curb to unit. Pathways will never be fa nor in likeness of any bridge or gangpla	nstallation of a gravel / stone pathway from bricated from scrap lumber or trash material, ank approach; 6' from any curb, <b>and never located near</b> ;	
		<ul> <li>maintenance;</li> <li>Each unit will be properly secured by st ground;</li> <li>Units will never be staged on or within a o</li> <li>Units will be inspected weekly for properties.</li> </ul>	taking all four corners of the unit to the any public walkway or street;	AGGREGATE OR STRAW UNDERLAY (FOR ADDED FLOW)
ŋ		leaking. In accordance with Indiana Rule 6.1: 327 IA and response: spills of objectionable substa		DETAIL OF A I
SL		and response: spills of objectionable substa one pint (i.e. from a portable toilet unit) shall b disposed. Spills of reportable quantity, as de	be contained, cleaned, removed, and properly fined by Indiana Rule 6.1 will be managed in	PROJECT: CITY/STATE:
I EU BY: stato		accordance with applicable statutes and regul	auons.	

7			

#### LENNAR VERTICAL

Sequence Describing Storm Water Quality Measure Implementation Relative to the Vertical Construction Activity on an Individual Lot within a Multiple Homesite Development.

#### Introduction

The project site owner has identified eight (8) phases within the vertical construction sequence. During the period of construction activities, all storm water quality measures necessary to meet the requirements of the Indiana Construction General Permit (CGP) shall be maintained in working order. In accordance with the CPG, the SWPPP shall serve as a guideline for storm water quality but should not be interpreted to be the only basis for implementing, all measures to adequately prevent polluted storm water run-off. Alternative measures to site stabilization are acceptable if the site owner or their representative can demonstrate they have implemented erosion and sediment control measures adequate to prevent sediment discharge. Generally, the project site owner will have permitted projects within multiple MS4s / SWCDs; therefore, BMP practices will be modified as required by the enforcement of applicable local regulation. Please refer to: "Protocol for when BMP Maintenance is Required". Lennar Project Site Managers are qualified professionals who are trained and experienced in storm water treatment techniques and related fields.

From time construction activity begins, and until the individual lot is stabilized, the lot owner will: Protect adjacent properties from sedimentation;

✓ Prevent mud/sedimentation from depositing on the public street;

Phase 1 - Foundation - During the period of construction activities:

- ✓ Protect drainage ways from erosion and sedimentation;
- ✓ Prevent sediment laden water from entering storm sewer inlets.

The following storm water quality measures will take place on an individual lot/homesite:

- Prior to the start of construction activity, a qualified professional shall install silt fence at front curb and rear swale; wattles may be utilized as permitted by applicable regulations (i.e. frozen ground conditions, feasibility for site access, transitional BMP, etc. Additional silt fence will be installed adjacent to establish lots or common areas, or the full perimeter of lot/home-site, as required by the enforcement of applicable regulation. A qualified professional shall verify the presence of appropriate BMP protection for nearby storm water inlets; if not present, the CM will be notified and these BMP devices will be installed promptly.
- The installation of the following House Keeping BMPs will be installed before the start of
- construction activity as required by enforcement of applicable regulations: o Portable toilet(s) will be appropriately staged throughout the project site. Note: Please
- refer to PML insert: "Protocol for Staging Portable Toilets";
- Trash containers or location of trash placement; Concrete washout (May be a stationary location for the entire site, or may be portable devices on an individual lot).

• Townhome Projects: Typically, a gravel staging area will be established on the site to accommodate storage of construction materials and equipment, concrete washout, and portable toilets. Perimeter silt fence or silt sock will be installed around the staging area. The project Construction Manager will evaluate each site for the appropriate location for the staging area.

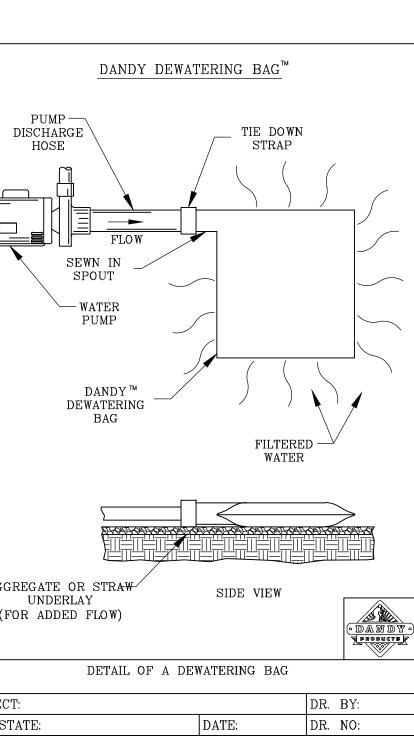
- Prior to the start of construction activity, a temporary construction entrance shall be installed, as required by the enforcement of applicable regulations. Typically, the construction entrance will be installed to the following specifications:
- o The construction entrance will be approximately 20' wide at curb, tapering to no less than 16' wide where meeting the foundation. The length of the drive will be determined by the distance from the curb to foundation. Site conditions may vary entrance
- specifications; typically, the installation sequence will be as follows: Soil will be excavated approximately 6" below top of curb, tapering in depth from the 0 curb to the projected face of the garage foundation;
- A geotextile fabric will be installed over exposed soil;
- #2 or greater stone shall be utilized as ground cover for the entrance surface;
- The construction entrance will be inspected weekly by a qualified person; The Lennar site manager will schedule maintenance as required by inspection. 0
- Foundation soil stock pile may remain active throughout the Foundation Phase. Soil stock piles shall be placed on the lot/home site in a manner as not to challenge the integrity of perimeter BMPs. Soil stock piles will be distributed on site by machine grade in a timely manner. Soil stock pile will be stabilized as required by applicable regulatory enforcement.
- Up to two loads of soil may remain on site after back-fill of foundation. Soil stock piles shall be placed on the lot/home site in a manner as not to challenge the integrity of perimeter BMPs. Soil will be distributed on site by machine grade in a timely ma
- All concrete washout will occur at the designated concrete washout area when provided. Washout will be allowed onsite of an individual lot utilizing portable washout devices.
- All construction trash/debris will be contained on site in a manner permitted the enforcement of applicable regulations (i.e. trash containers utilized as enforced by municipal authority, "fly-a-way" trash will be appropriately contained on site by end of day. Where permitted lumber trash /debris may be set at curb for daily trash removal.) Please refer to "Protocol for Construction Trash on an Individual Lot" located in the site PML.
- A qualified person(s) shall inspect and maintain all storm water measures. Inspections will occur weekly and/or rain events as required by the Stormwater Permit. Lennar site Associates will participate in monthly stormwater "toolbox talks".

- Phase 2 Framing During the period of construction activity:
- All construction trash/debris will be contained on site in a manner permitted by the enforcement of applicable regulations (i.e. trash containers utilized as enforced by municipal authority, "fly-a-way" trash will be appropriately contained on site by end of day. Where permitted lumber trash /debris may be set at curb for daily trash removal. Please refer to Builders Trash Act protocol.)
- Up to two loads of soil may remain on site. Soil stock piles shall be placed on the lot/home site in a manner as not to challenge the integrity of perimeter BMPs. Soil will be distributed on site by machine grade in a timely manner.
- A qualified person(s) shall inspect and maintain all storm water measures. Inspections will occur weekly and/or rain events as required by the Stormwater Permit. Lennar site Associates will participate in monthly stormwater "toolbox talks"
- All paint washout shall be done utilizing paint containers/buckets. All paint containers shall be removed from the lot/home- site by the paint contractor.
- a manner as not to challenge the integrity of perimeter BMPs. Soil will be distributed on site by machine grade in a timely manner.
- of applicable regulations (i.e. trash containers utilized as enforced by municipal authority, "fly-a-way" trash will be appropriately contained on site by end of day. Where permitted lumber trash /debris may be set at curb for daily trash removal.) Please refer to "Protocol for Construction Trash on an Individual Lot" located in the site PML.
- A gualified person(s) shall inspect and maintain all storm water measures. Inspections will occur weekly and/or rain events as required by the Stormwater Permit. Lennar site Associates will participate in monthly stormwater "toolbox talks".
- All drywall scrap and debris shall be removed from the lot/home site by the drywall contractor. The drywall contractor will be responsible for the appropriate disposal of all drywall material. Washout of drywall spackling compounds shall be contained in buckets and removed from the lot/home site by the drywall contractor.
- While in the process of installing brick veneer, bagged dry mix mortar and brick material will be covered by a vapor barrier material to prevent exposure to a rain event. A barrier material will be applied to the soil surface where brick mortar will be mixed. Washout of mortar material may occur on site when utilizing appropriate portable washout container. Hardened mortar debris and brick trash will be contained and staged at curb side by the brick contractor for removal; or, preferably placed in the provided trash container (i.e. dumpster) as required by enforcement of applicable regulations. In addition to the aforementioned guidance, the following requirements shall apply for washout of brick mortar for all Lennar Townhome construction sites:
- o The staging area for mixing brick mortar shall be adjacent to the Site concrete washout.
- washout in lieu of utilizing a washout bag.
- o Note: Please refer to: "Brick Mortar Washout Protocol Lennar BMP" for detailed staging guidance.
- All concrete washout will occur at the designated concrete washout area when provided. Washout will be allowed onsite of an individual lot utilizing portable washout devices.
- All construction trash/debris will be contained on site in a manner permitted by the enforcement of applicable regulations (i.e. trash containers utilized as enforced by municipal authority, "fly-a-way" trash will be appropriately contained on site by end of day. Where allowed lumber trash /debris may be set at curb for daily trash removal.) Please refer to "Protocol for Construction Trash on an Individual Lot" located in the site PML.
- Up to two loads of soil may remain on site. Soil stock piles shall be placed on the lot/home site in a manner as not to challenge the integrity of perimeter BMPs. Soil will be distributed on site by machine grade in a timely manner.
- A qualified person(s) shall inspect and maintain all storm water measures. Inspections will occur weekly and/or rain events as required by the Stormwater Permit Lennar. site Associates will participate in monthly stormwater "toolbox talks". Phase 5 - Exterior Finish - During the period of construction activity:
- A machine grade will occur on site to prepare for the installation of the permanent concrete driveway and walkways. During this transition, "Curb back cut" and/or wattles may be utilized as submittal BMP measures to adequately prevent polluted storm water run-off from the construction site.
- All concrete washout will occur at the designated concrete washout area when provided. Washout will be allowed onsite of an individual lot utilizing portable washout devices.
- Washout of drywall spackling compounds, paint, tile grout, etc., shall be contained in buckets and removed from the lot/home site by the appropriate contractor.
- All construction trash/debris will be contained on site in a manner permitted by the enforcement of applicable regulations (i.e. trash containers utilized as enforced by municipal authority, "fly-a-way" trash will be appropriately contained on site by end of day. Where permitted lumber trash /debris may be set at curb for daily trash removal.) Please refer to "Protocol for Construction Trash on an Individual Lot" located in the site PML.
- Up to two loads of soil may remain on site. Soil stock piles shall be placed on the lot/home site in a manner as not to challenge the integrity of perimeter BMPs. Soil will be distributed on site by machine grade in a timely manner.
- A qualified person(s) shall inspect and maintain all storm water measures. Inspections will occur weekly and/or rain events as required by the Stormwater Permit. Lennar site Associates will participate in monthly stormwater "toolbox talks".

	EXSTOR		· · —
Cato	h-It Frame with FX Bag	Field Inlet	1
ADS P/N	Flexstorm Item code	Grate Size (A x C)	Clear (I
62MSQFX	P-SQRC-198-180-178-166-FX	19.75 x 18.62	17.7
62MSQFX	P-SQRC-223-186-203-143-FX	22.25 x 18.62	20.2
62MSQFX	P-SQRC-225-163-195-150-FX	22.5 x 16.25	19.
62MSQFX	P-SQRC-230-160-215-150-FX	23 X 16	21
62MSQFX	P-SQRC-223-163-210-160-FX	22.25 x 16.25	2
62MSQFX	P-SQRC-243-168-223-148-FX	24.25 x 16.75	22.2
62MSQFX	P-SQRC-223-186-203-200-FX	22.25 x 18.62	20.
62MSQFX	P-SQRC-223-186-203-200-FX	22.25 x 18.625	20.
62MSQFX	P-SQRC-223-186-203-200-FX	22.25 x 18.625	20.
62MSQFX	P-SQRC-258-188-240-170-FX	25.75 x 18.75	2
62MSQFX	P-SQRC-257-190-236-180-FX	25.7 x 19	23
62MSQFX	P-SQRC-257-190-236-180-FX	25.7 x 19	23
62MSQFX	P-SQRC-243-233-221-200-FX	24.25 x 23.25	22.1
62MSQFX	P-SQRC-243-235-221-200-FX	24.25 x 23.5	22.1
62MSQFX	P-SQRC-243-235-221-200-FX	24.25 x 23.5	22.1
62MSQFX	P-SQRC-288-173-269-153-FX	28.75 x 17.25	26.9
	P-SQRC-288-173-269-153-FX	28.75 x 17.25	26.9
62MSQFX	P-SQRC-228-220-220-203-FX	22.75 x 22	22
62MSQFX	P-SQRC-223-223-223-200-FX	22.5 x 22.25	2/
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62MSQFX 62MSQFX 62MSQFX		23.25 X 23.25	22. 21.2 23.
62MSQFX 62MSQFX 62MSQFX 62MSQFX	P-SQRC-233-233-213-213-FX	23.25 X 23.25 26.1 x 22.25	21.2
62MSQFX 62MSQFX 62MSQFX 62MSQFX 62MSQFX	P-SQRC-233-233-213-213-FX P-SQRC-261-223-235-195-FX	23.25 X 23.25 26.1 x 22.25 26.5 x 22.5	21.25 23.5 24.5
62MSQFX 62MSQFX 62MSQFX 62MSQFX 62MSQFX 62MSQFX 62MSQFX	P-SQRC-233-213-213-FX P-SQRC-261-223-235-195-FX P-SQRC-265-225-245-198-FX P-SQRC-260-235-260-215-FX	23.25 X 23.25 26.1 x 22.25 26.5 x 22.5 26 x 23.5	21.25 23.5 24.5 26.7
62MSQFX 62MSQFX 62MSQFX 62MSQFX 62MSQFX 62MSQFX 62MSQFX 62MSQFX	P-SQRC-233-233-213-213-FX P-SQRC-261-223-235-195-FX P-SQRC-265-225-245-198-FX P-SQRC-260-235-260-215-FX P-SQRC-260-235-261-215-FX	23.25 X 23.25 26.1 x 22.25 26.5 x 22.5 26 x 23.5 26 x 23.5 26 x 23.5	21.25 23.5 24.5 26.7 26.7
62MSQFX 62MSQFX 62MSQFX 62MSQFX 62MSQFX 62MSQFX 62MSQFX	P-SQRC-233-213-213-FX P-SQRC-261-223-235-195-FX P-SQRC-265-225-245-198-FX P-SQRC-260-235-260-215-FX	23.25 X 23.25 26.1 x 22.25 26.5 x 22.5 26 x 23.5	21.25 23.5 24.5

AVAILABLE WITH -S SUFFIX; RATINGS REDUCED BY ~50%. 2. THE FULLOWING REQUIRES ADDITIONAL REVIEW

-GRATES WITH EXTENDED BOTTOMS -ANY DBSTRUCTED INLET DPENINGS



DANDY DEWATERING BAGTM Mechanical Properties Test Method

Grab Tensile Strength	ASTM D 4632	kN (lbs)	0.9 (205) × 0.9 (205)		
Grab Tensile Elongation	ASTM D 4632	%	50 x 50		
Puncture Strength	ASTM D 4833	kN (lbs)	0.58 (130)		
Mullen Burst Strength	ASTM D 3786	kPa (psi)	2618 (380)		
Trapezoid Tear Strength	ASTM D 4533	kN (lbs)	0.36 (80) X 0.36 (80)		
UV Resistence	ASTM D 4355	%	70		
Apparent Opening Size	ASTM D 4751	Mm (US Std Sieve)	0.180 (80)		
Flow Rate	ASTM D 4491	1/min/m²(gal/min/ft²)	3866 (95)		
Permittivity	ASTM D 4491	Sec <sup>-1</sup>	1.2		

DANDY DEWATERING BAG™ SPECIFICATIONS

NOTE: THE DANDY DEWATERING BAG™ WILL BE **MANUFACTURED IN THE U.S.A.** FROM A NONWOVEN POLYPROPYLENE FABRIC THAT MEETS OR EXCEEDS THE FOLLOWING SPECIFICATIONS:

- INSTALLATION: LIFTING STRAPS (NOT INCLUDED) SHOULD BE PLACED UNDER THE UNIT TO FACILITATE REMOVAL AFTER USE. • UNFOLD DANDY DEWATERING BAG™ ON A STABILIZED AREA OVER DENSE
- VEGETATION, STRAW, OR GRAVEL (IF AN INCREASED DRAINAGE SURFACE IS NEEDED) OR AS DETAILED IN PLANS. INSERT DISCHARGE HOSE FROM PUMP INTO DANDY DEWATERING BAG™ A MINIMUM
- OF SIX (6) INCHES AND TIGHTLY SECURE WITH ATTACHED STRAP TO PREVENT WATER FROM FLOWING OUT OF THE UNIT WITHOUT BEING FILTERED. MAINTENANCE
- REPLACE THE UNIT WHEN ½ FULL OF SEDIMENT OR WHEN SEDIMENT HAS REDUCED THE FLOW RATE OF THE PUMP DISCHARGE TO AN IMPRACTICAL RATE.
- REMOVE AND DISPOSE OF THE SEDIMENT IN A MANNER SATISFACTORY TO THE ENGINEER/INSPECTOR OR IN ONE OF THE FOLLOWING WAYS: REMOVE THE UNIT AND SEDIMENT FROM ENVIRONMENTALLY SENSITIVE AREAS AND
- WATERWAYS. AT THE APPROVED DISPOSAL SITE, SLIT THE UNIT; REMOVE THE SEDIMENT AND GRADE SMOOTHLY INTO THE EXISTING TOPOGRAPHY. DISPOSE OF UNIT NO LONGER IN USE AT AN APPROPRIATE RECYCLING OR SOLID WASTE
- BURY UNIT ON SITE; REMOVE ANY VISIBLE FABRIC AND SEED.

ULLY ESTABLISHED. FILLING ANY NEW THE PLANT A EITHER BY IG AFTER PREPARING THE SEEDBED SENT, REPAIR THE UCABLE, INSTALL NEW NETTING

EITHER BY VG AFTER PREPARING THE SEEDBEI IL TEST RECOMMENDATIONS.



- - Phase 3 Mechanical Rough During the period of construction activity:
  - Up to two loads of soil may remain on site. Soil stock piles shall be placed on the lot/home site in
  - All construction trash/debris will be contained on site in a manner permitted by the enforcement

# Phase 4 - Insulation/Drywall - During the period of construction activity:

- o All brick mortar washout shall occur (in semi-solid condition) directly into the concrete

o Lennar may not provide a washout container bag for Townhome construction sites.

- Washout will be allowed onsite of an individual lot utilizing portable washout devices. • All construction trash/debris will be contained on site in a manner permitted by the enforcement of applicable regulations (i.e. trash containers utilized as enforced by municipal authority, "fly-a-way" trash will be appropriately contained on site by end of day. Where permitted lumber trash /debris may be set at curb for daily trash removal.) Please refer to "Protocol for Construction Trash on an Individual Lot" located in the site PML. • Up to two loads of soil may remain on site. Soil stock piles shall be placed on the lot/home site in
  - a manner as not to challenge the integrity of perimeter BMPs. Soil will be distributed on site by machine grade in a timely manner. • A qualified person(s) shall inspect and maintain all storm water measures. Inspections will occur weekly and/or rain events as required by the Stormwater Permit. Lennar site Associates will

• Washout of drywall spackling compounds, paint, tile grout, etc., shall be contained in buckets and

All concrete washout will occur at the designated concrete washout area when provided.

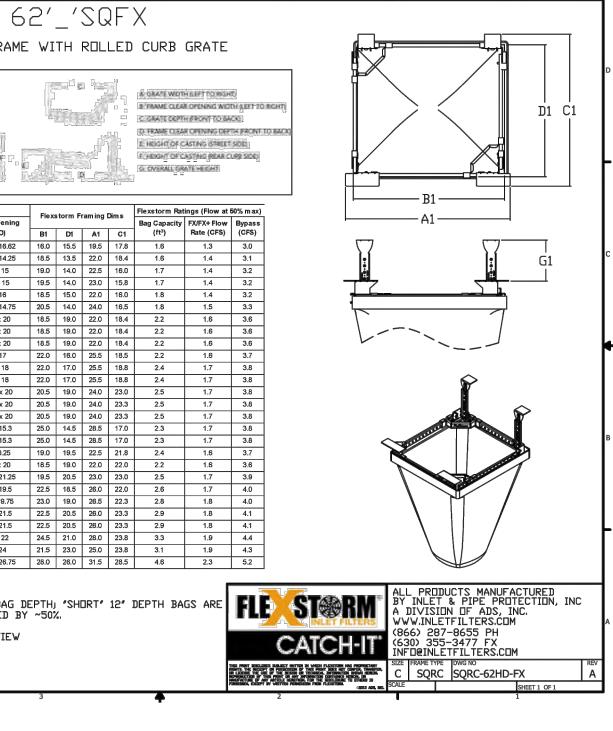
participate in monthly stormwater "toolbox talks".

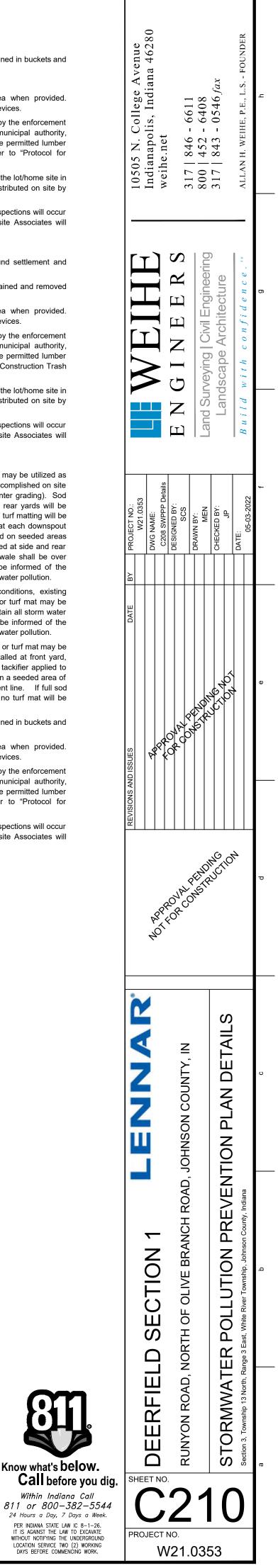
Phase 7 - Mechanical Trim - During the period of construction activity: • A machine grade will be accomplished on site for purposes of filling ground settlement and

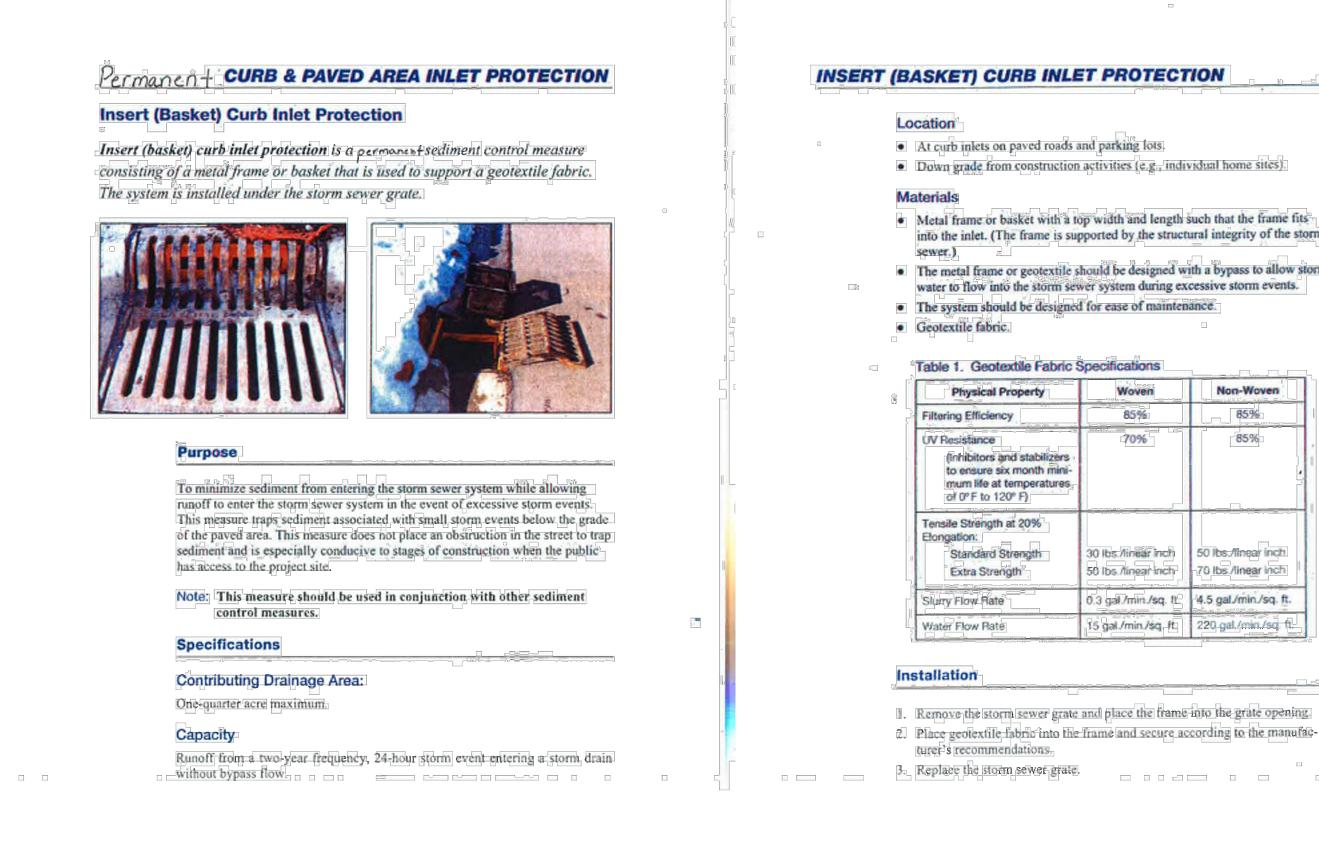
Phase 6 - Interior Finish - During the period of construction activity:

removed from the lot/home-site by the appropriate contractor.

- surface erosion. • Washout of drywall spackling compounds, paint, tile grout, etc., shall be contained and removed
- from the lot/home site by the appropriate contractor • All concrete washout will occur at the designated concrete washout area when provided. Washout will be allowed onsite of an individual lot utilizing portable washout devices.
- All construction trash/debris will be contained on site in a manner permitted by the enforcement of applicable regulations (i.e. trash containers utilized as enforced by municipal authority, "fly-a-way" trash will be appropriately contained on site by end of day. Where permitted lumber trash /debris may be set at curb for daily trash.) Please refer to "Protocol for Construction Trash on an Individual Lot" located in the site PML.
- Up to two loads of soil may remain on site. Soil stock piles shall be placed on the lot/home site in a manner as not to challenge the integrity of perimeter BMPs. Soil will be distributed on site by machine grade in a timely manner.
- A qualified person(s) shall inspect and maintain all storm water measures. Inspections will occur weekly and/or rain events as required by the Stormwater Permit Lennar site Associates will participate in monthly stormwater "toolbox talks".
- Phase 8 Home Site Finish During the period of construction activity:
- During seasonal conditions, all silt fence will be removed, wattles or turf matt may be utilized as transitional BMP while awaiting final stabilization, a machine grade will be accomplished on site in preparation for final stabilization (Note: adverse soil conditions my limit winter grading). Sod will be installed at front yard to front corners of house structure. Side and rear yards will be seeded and PennMulch soil stabilizer/fertilizer applied to soil surface, a row of turf matting will be installed at the rear swale easement line, and one piece of sod will placed at each downspout located within a seeded area of the lot. Other turf matting may be positioned on seeded areas due to extreme site grade. When full sod option is chosen, sod will be installed at side and rear yard in-lieu-of seed, no turf mat will be applied rear easement line, rear swale shall be over seeded. During the New Home Orientation, the new property owner will be informed of the requirement for, and benefits of, final stabilization, and the prevention of stormwater pollution.
- Upon the completion of construction activity, and during unseasonable conditions, existing erosion and sediment control measures will remain in place on site, wattles or turf mat may be applied at curb in-lieu-of silt fence. A qualified person shall inspect and maintain all storm water measures. During the New Home Orientation, the new property owner will be informed of the requirement for, and benefits of, final stabilization, and the prevention of stormwater pollution.
- When seasonal conditions return, all perimeter BMPs will be removed, wattles or turf mat may be utilized as transitional BMP while awaiting final stabilization, sod will be installed at front yard, side and rear yards will be seeded and PennMulch soil stabilizer/fertilizer w/ tackifier applied to soil surface, and one piece of sod will placed at each downspout located within a seeded area of the lot. A single row of turf matting will be installed at the rear swale easement line. If full sod option is chosen, sod will be installed at side and rear yard in-lieu-of seed, no turf mat will be applied rear easement line, rear swale shall be over seeded.
- Washout of drywall spackling compounds, paint, tile grout, etc., shall be contained in buckets and removed from the lot/home site by the appropriate contractor.
- All concrete washout will occur at the designated concrete washout area when provided. Washout will be allowed onsite of an individual lot utilizing portable washout devices.
- All construction trash/debris will be contained on site in a manner permitted by the enforcement of applicable regulations (i.e. trash containers utilized as enforced by municipal authority, "fly-a-way" trash will be appropriately contained on site by end of day. Where permitted lumber trash /debris may be set at curb for daily trash removal.) Please refer to "Protocol for Construction Trash on an Individual Lot" located in the site PML
- A qualified person(s) shall inspect and maintain all storm water measures. Inspections will occur weekly and/or rain events as required by the Stormwater Permit. Lennar site Associates will participate in monthly stormwater "toolbox talks".







Chapter 7

October 2007

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178 Chapter 7

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## **INSERT (BASKET) CURB INLET PROTECTION** At curb inlets on paved roads and parking lots. Down grade from construction activities (e.g. individual home sites). Metal frame or basket with a top width and length such that the frame fits into the inlet. (The frame is supported by the structural integrity of the storm The metal frame or geotextile should be designed with a bypass to allow storm water to flow into the storm sewer system during excessive storm events. The system should be designed for ease of maintenance. Table 1. Geotextile Fabric Specifications Non-Woven Woven 85% 85% 85% 70% 30 lbs./linear inch 50 lbs./linear inch 50 lbs./linear inch \_70 lbs./linear inch 0.3 gal/min/sq. tt 4.5 gal/min/sq. ft. 15 gal/min/sq. ft 220 gal/min/sq. ft. I. Remove the storm sewer grate and place the frame into the grate opening.

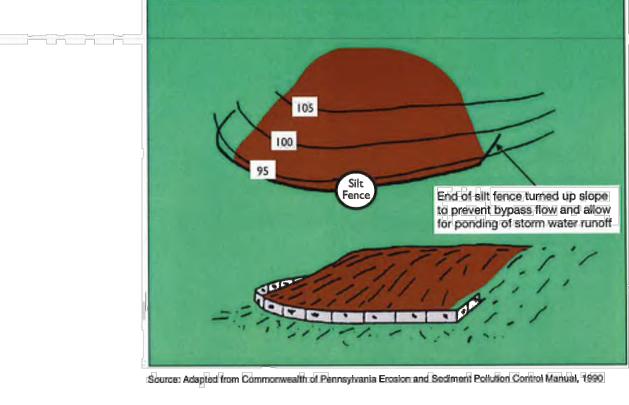
October 2007

### SILT FENCE

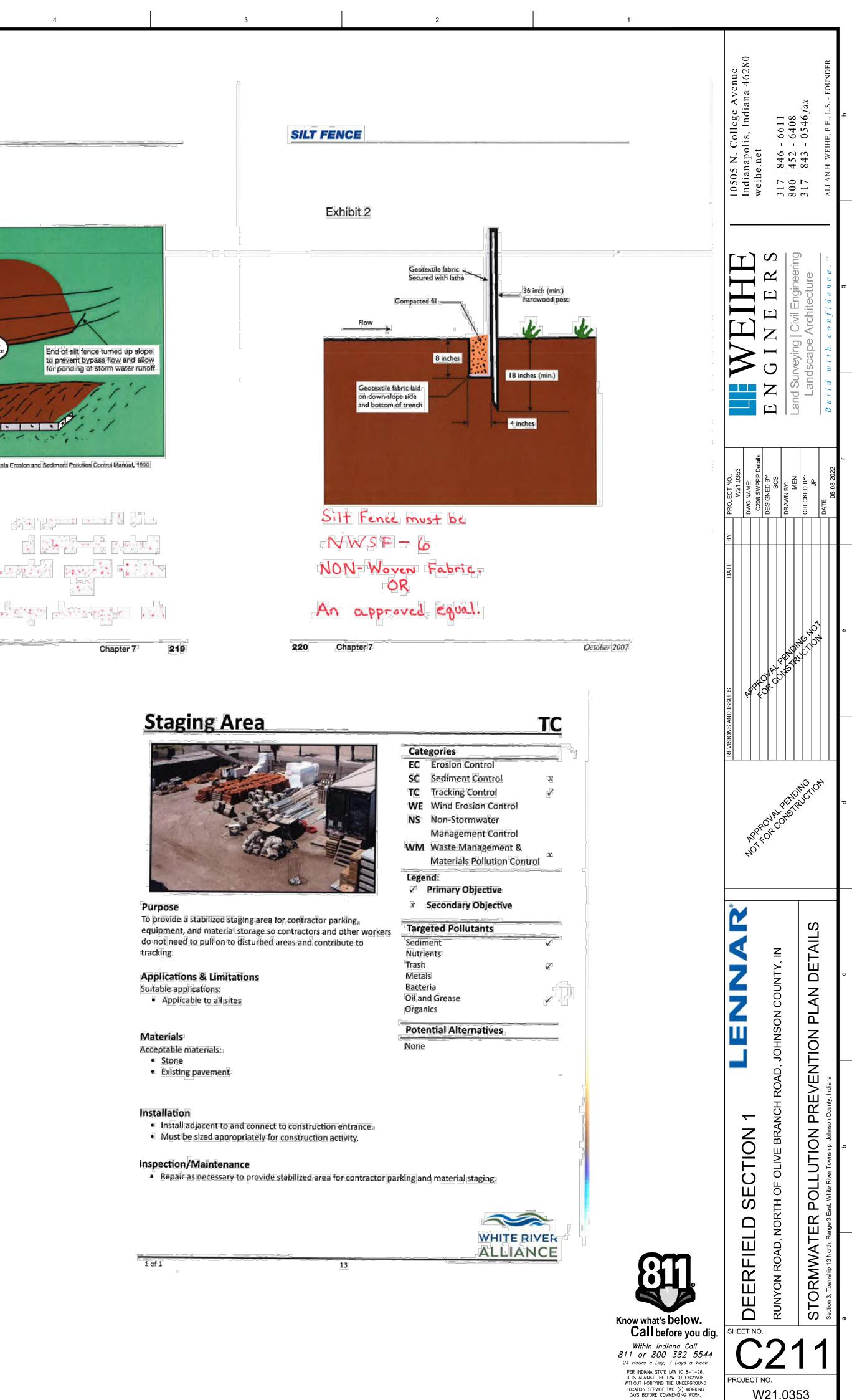
#### Exhibit 1

October 2007

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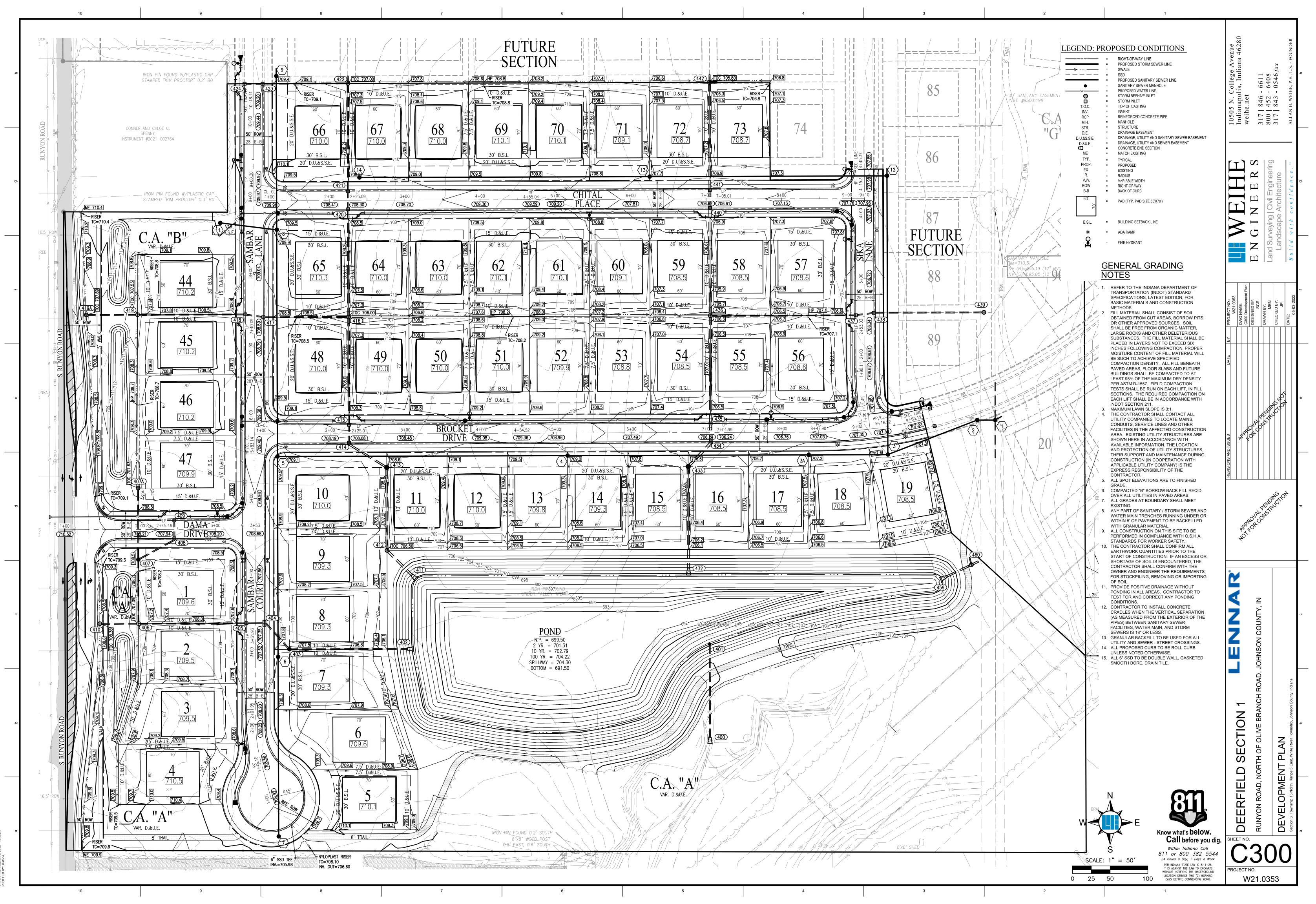
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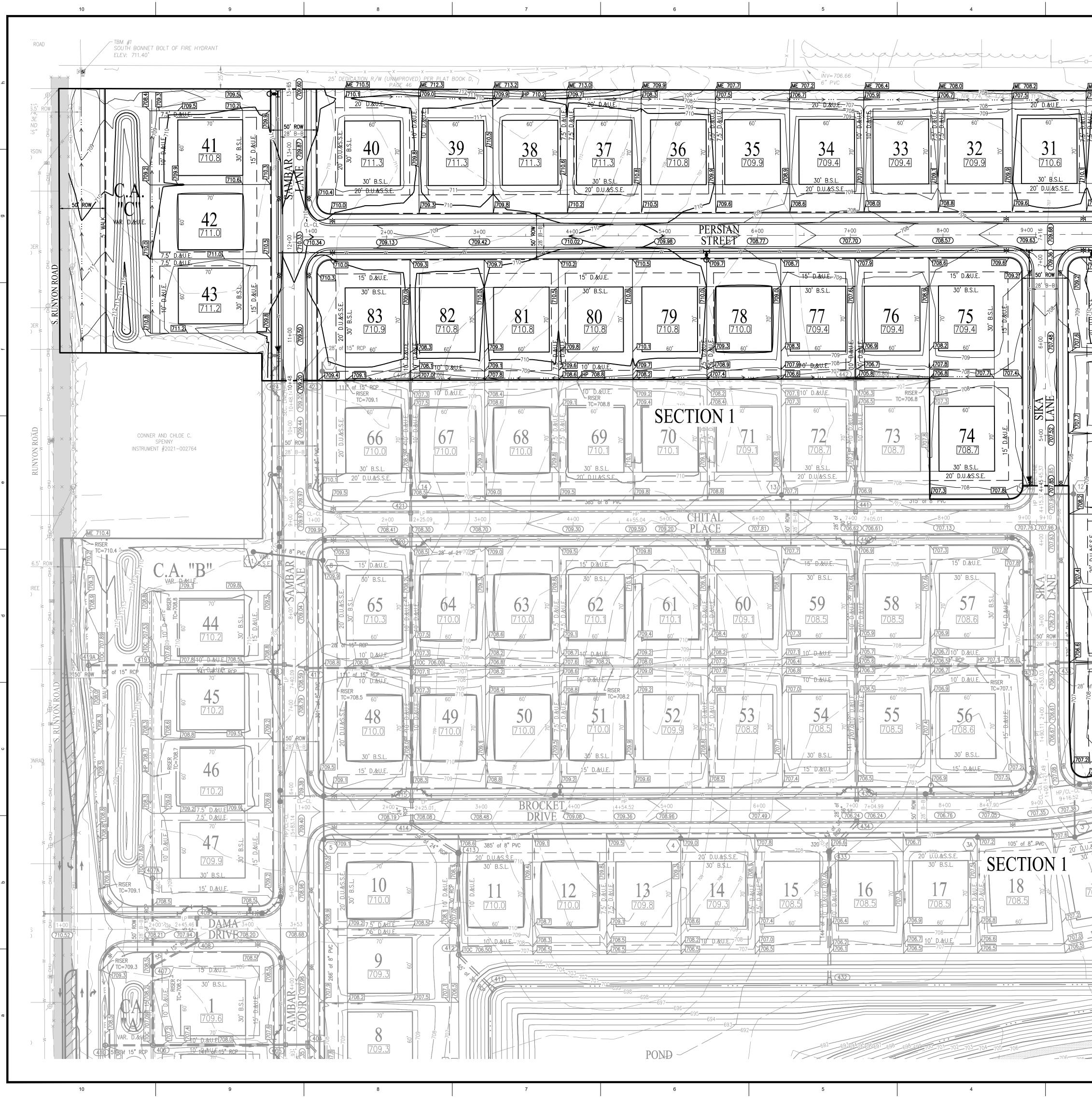
tracking.

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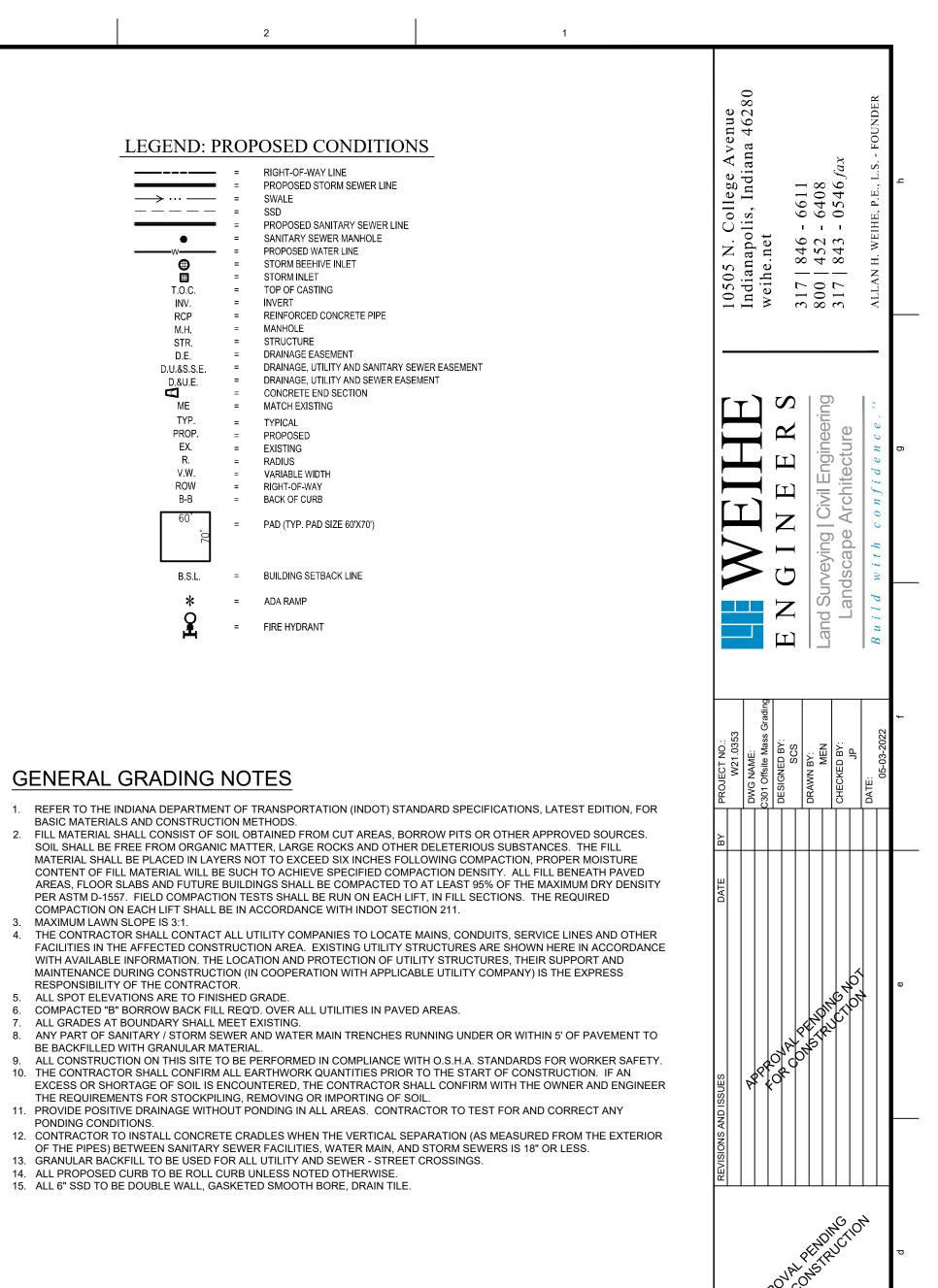
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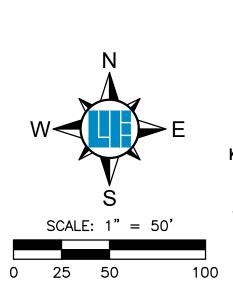


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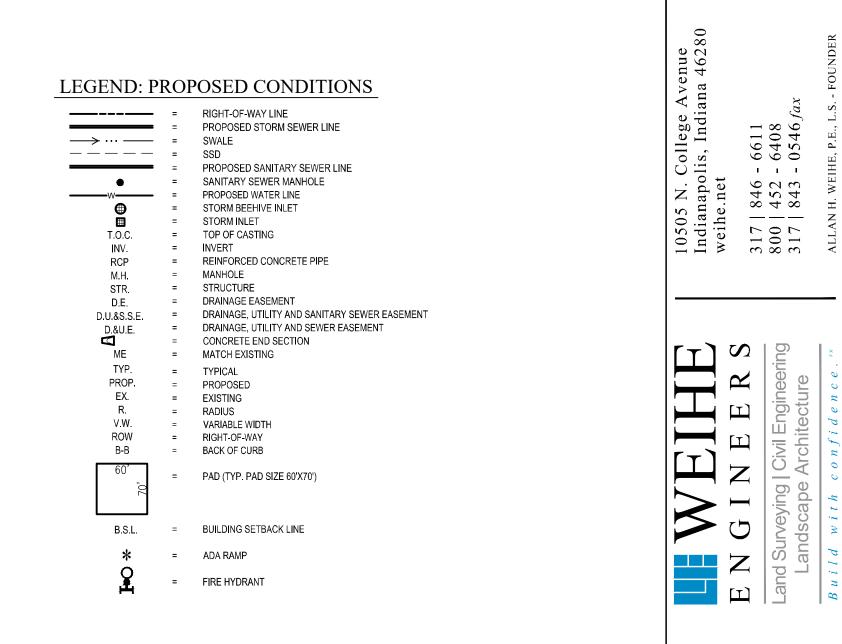
MASS

OFFSITE

Know what's below. Call before you dig. Within Indiana Call 811 or 800–382–5544 24 Hours a Day, 7 Days a Week. PER INDIANA STATE LAW IC 8–1–26. IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UNDERGROUND LOCATION SERVICE TWO (2) WORKING DAYS BEFORE COMMENCING WORK.

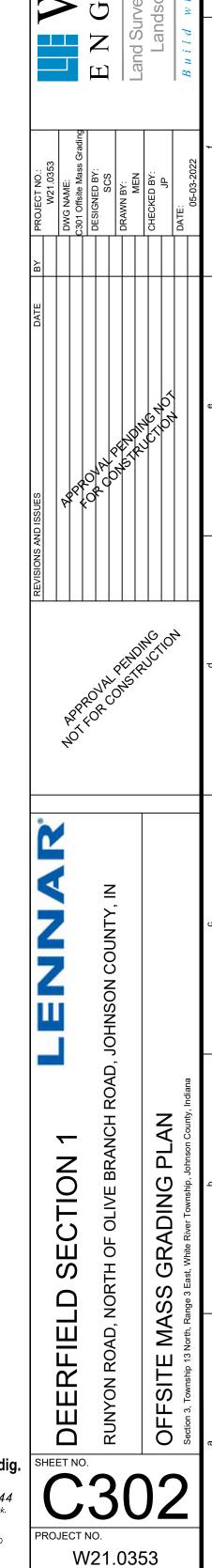


v: Hi:2021\W210353\Section 10\Engineering\design\conset\C301 Offsite Mass Grading.dv 2302 E- Aurinet 16 - 2022 - 12-14 mm



### **GENERAL GRADING NOTES**

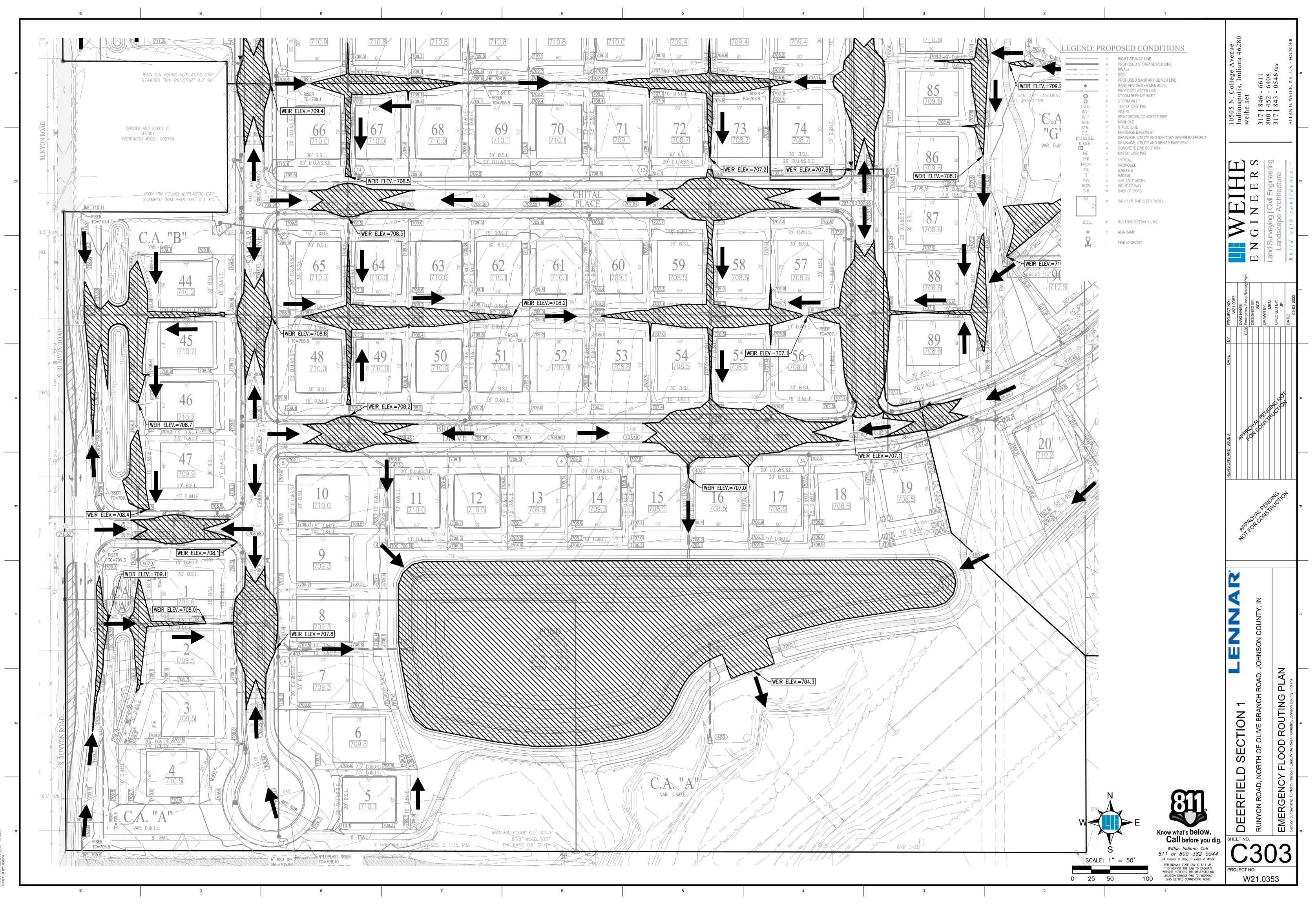
- REFER TO THE INDIANA DEPARTMENT OF TRANSPORTATION (INDOT) STANDARD SPECIFICATIONS, LATEST EDITION, FOR BASIC MATERIALS AND CONSTRUCTION METHODS.
   FILL MATERIAL SHALL CONSIST OF SOIL OBTAINED FROM CUT AREAS, BORROW PITS OR OTHER APPROVED SOURCES. SOIL SHALL BE FREE FROM ORGANIC MATTER, LARGE ROCKS AND OTHER DELETERIOUS SUBSTANCES. THE FILL MATERIAL SHALL BE PLACED IN LAYERS NOT TO EXCEED SIX INCHES FOLLOWING COMPACTION, PROPER MOISTURE CONTENT OF FILL MATERIAL WILL BE SUCH TO ACHIEVE SPECIFIED COMPACTION DENSITY. ALL FILL BENEATH PAVED AREAS, FLOOR SLABS AND FUTURE BUILDINGS SHALL BE COMPACTED TO AT LEAST 95% OF THE MAXIMUM DRY DENSITY PER ASTM D-1557. FIELD COMPACTION TESTS SHALL BE RUN ON EACH LIFT, IN FILL SECTIONS. THE REQUIRED COMPACTION ON EACH LIFT SHALL BE IN ACCORDANCE WITH INDOT SECTION 211.
- MAXIMUM LAWN SLOPE IS 3:1.
   THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES TO LOCATE MAINS, CONDUITS, SERVICE LINES AND OTHER FACILITIES IN THE AFFECTED CONSTRUCTION AREA. EXISTING UTILITY STRUCTURES ARE SHOWN HERE IN ACCORDANCE WITH AVAILABLE INFORMATION. THE LOCATION AND PROTECTION OF UTILITY STRUCTURES, THEIR SUPPORT AND MAINTENANCE DURING CONSTRUCTION (IN COOPERATION WITH APPLICABLE UTILITY COMPANY) IS THE EXPRESS RESPONSIBILITY OF THE CONTRACTOR.
- ALL SPOT ELEVATIONS ARE TO FINISHED GRADE.
   COMPACTED "B" BORROW BACK FILL REQ'D. OVER ALL UTILITIES IN PAVED AREAS.
- ALL GRADES AT BOUNDARY SHALL MEET EXISTING.
   ANY PART OF SANITARY / STORM SEWER AND WATER MAIN TRENCHES RUNNING UNDER OR WITHIN 5' OF PAVEMENT TO BE BACKFILLED WITH GRANULAR MATERIAL.
- ALL CONSTRUCTION ON THIS SITE TO BE PERFORMED IN COMPLIANCE WITH O.S.H.A. STANDARDS FOR WORKER SAFETY.
   THE CONTRACTOR SHALL CONFIRM ALL EARTHWORK QUANTITIES PRIOR TO THE START OF CONSTRUCTION. IF AN EXCESS OR SHORTAGE OF SOIL IS ENCOUNTERED, THE CONTRACTOR SHALL CONFIRM WITH THE OWNER AND ENGINEER THE REQUIREMENTS FOR STOCKPILING, REMOVING OR IMPORTING OF SOIL.
- PROVIDE POSITIVE DRAINAGE WITHOUT PONDING IN ALL AREAS. CONTRACTOR TO TEST FOR AND CORRECT ANY PONDING CONDITIONS.
   CONTRACTOR TO INSTALL CONCRETE CRADLES WHEN THE VERTICAL SEPARATION (AS MEASURED FROM THE EXTERIOR
- OF THE PIPES) BETWEEN SANITARY SEWER FACILITIES, WATER MAIN, AND STORM SEWERS IS 18" OR LESS. 13. GRANULAR BACKFILL TO BE USED FOR ALL UTILITY AND SEWER - STREET CROSSINGS. 14. ALL PROPOSED CURB TO BE ROLL CURB UNLESS NOTED OTHERWISE.
- 15. ALL 6" SSD TO BE DOUBLE WALL, GASKETED SMOOTH BORE, DRAIN TILE.



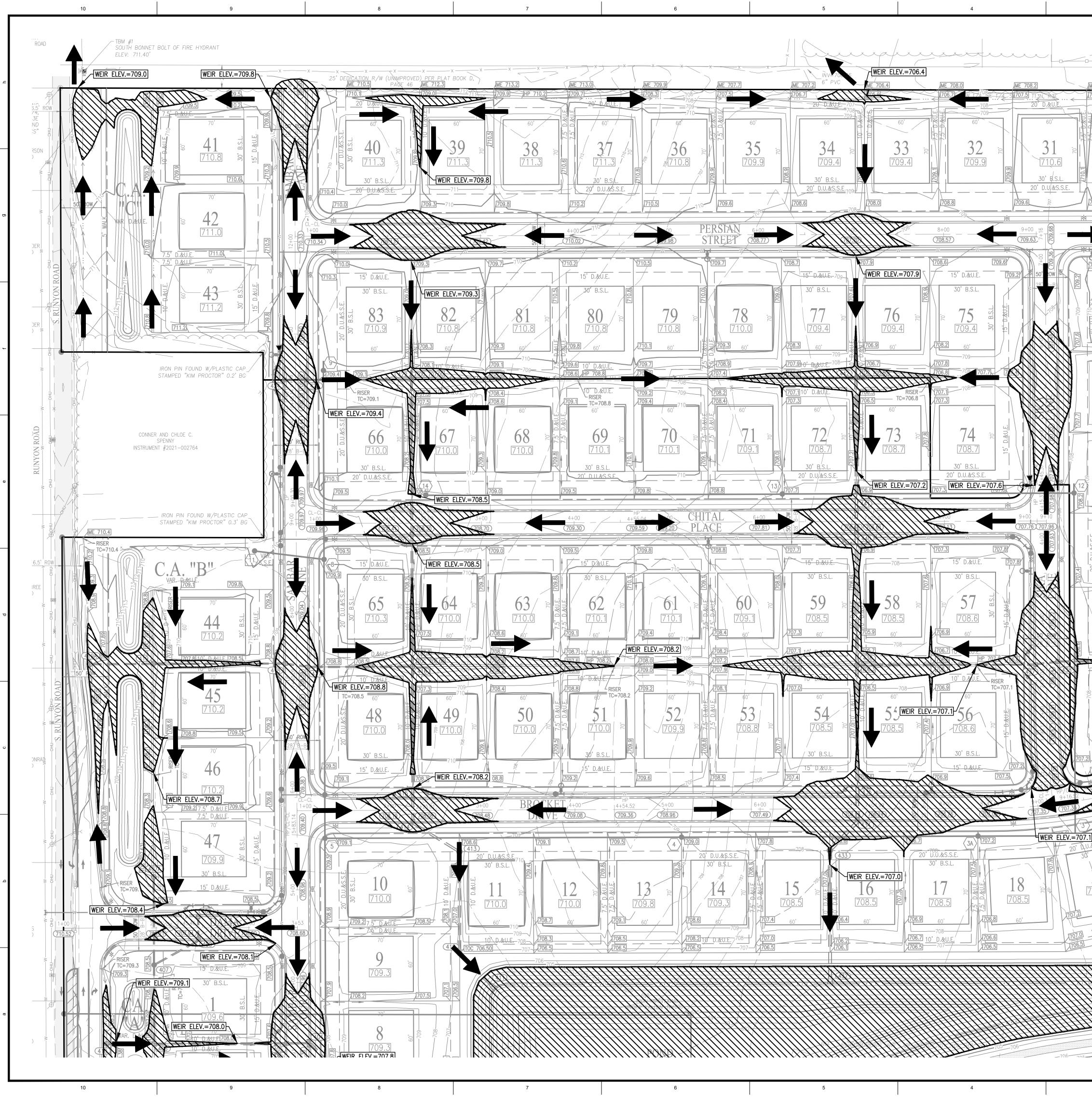
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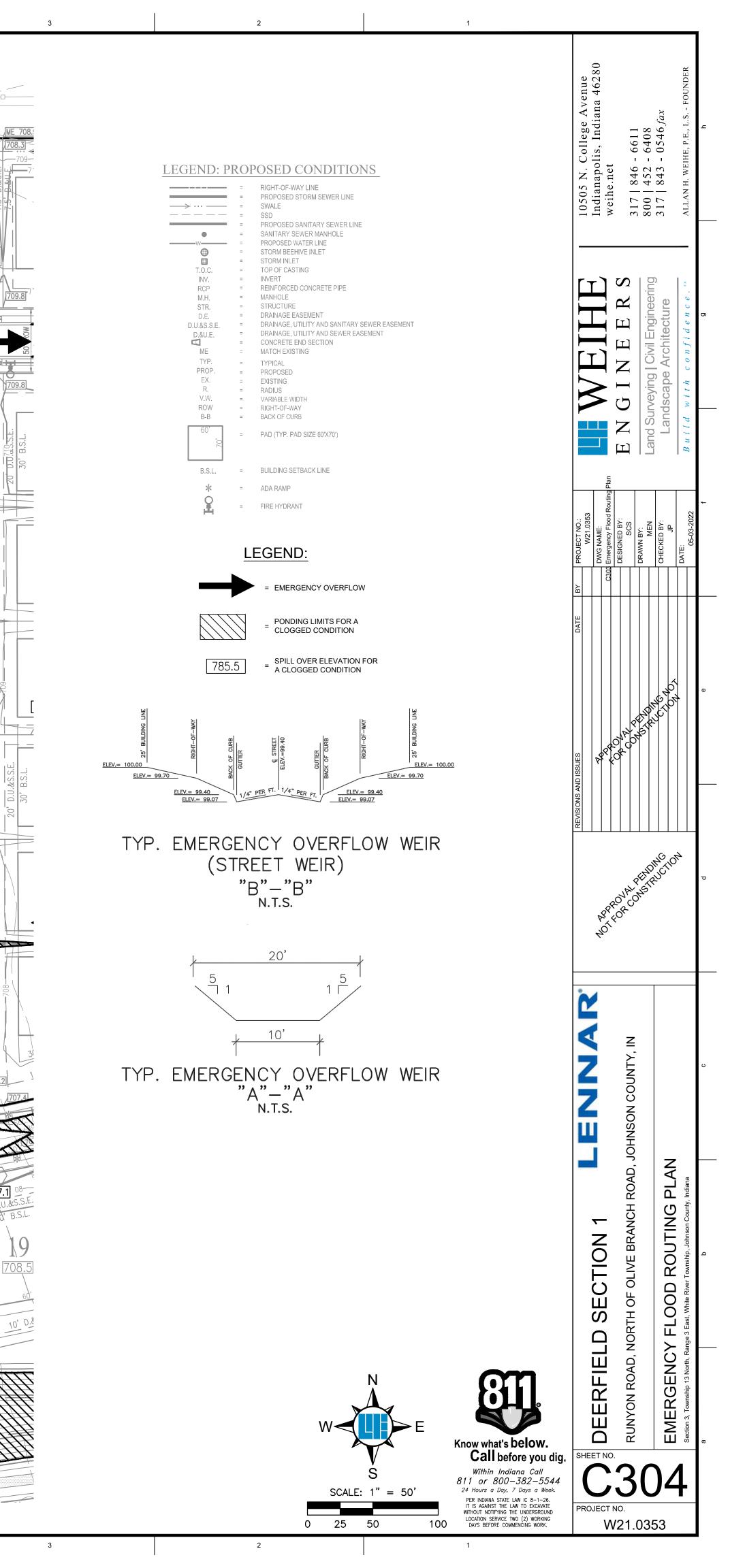
Know what's Delow. Call before you dig Within Indiana Call 811 or 800–382–5544 24 Hours a Day, 7 Days a Week. PER INDIANA STATE LAW IC 8–1–26. IT IS AGAINST THE COMMENCING WORK.

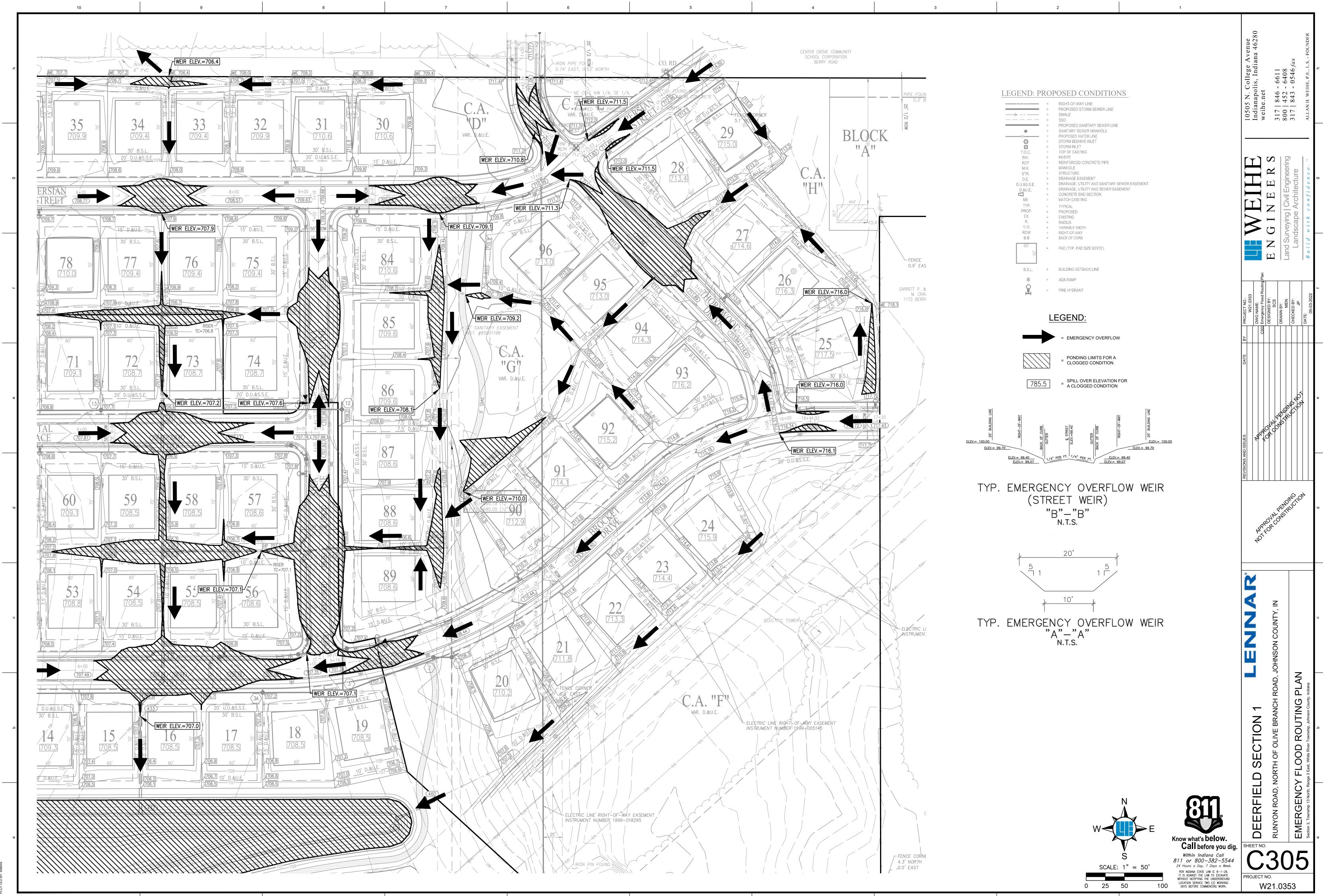


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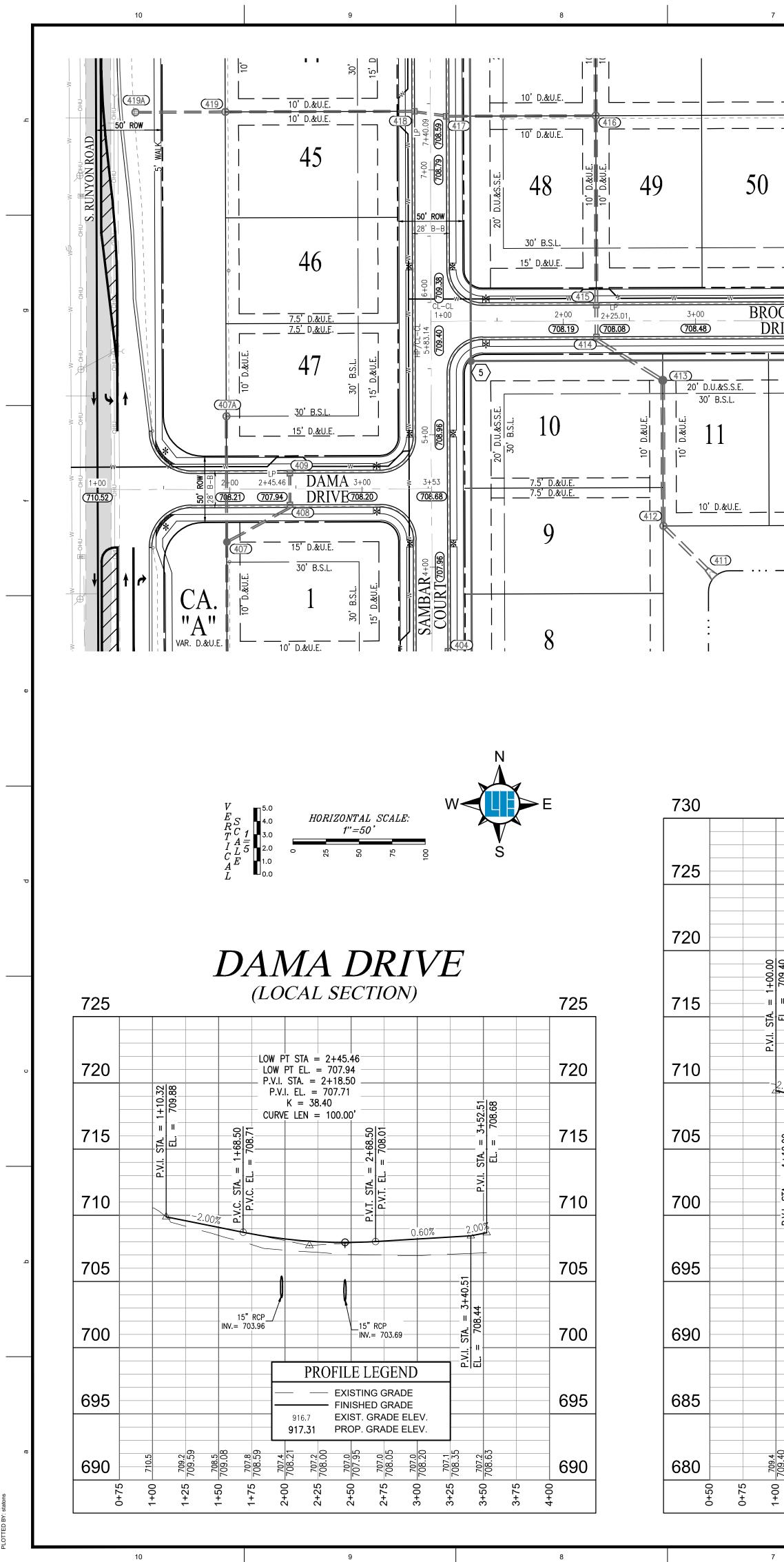




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E: August 16 BY: statons

7	6	5	4	3	2	1	
10' D.&U.E.	52 53	<u>10' D.&amp;U.E.</u> <u>10' D.&amp;U.E.</u>	10' D.&U.E. 10' D.&U.E. 10' D.&U.E. 566 437 10' D.&U.E. 566 437 10' D.&U.E. 438 10' D.&U.E. 566 438 438 10' D.&U.E. 10' D.&U.E. 10' D.&U.E.	89 EX. 12" PVC-	Image: Structure in the image: Structure imag	<ol> <li>STANDARD SPECIFICATIONS BY THE LOCAL HIGHWAY DEPARTMENT, LATEST EDITION, SHALL APPLY TO THIS PROJECT FOR ALL STREET IMPROVEMENTS.</li> <li>ALL STREETS TO BE 28' IN WIDTH (MEASURED FROM B-B OF CURB) UNLESS OTHERWISE NOTED.</li> <li>ALL RIGHTS-OF-WAY TO BE 50' IN WIDTH UNLESS OTHERWISE NOTED.</li> <li>ALL CURB RADII AT INTERSECTIONS ARE 25' TO BACK OF CURB UNLESS OTHERWISE</li> </ol>	10505 N. College Avenue Indianapolis, Indiana 46280 weihe.net 317   846 - 6611 800   452 - 6408 317   843 - 0546 <i>fax</i> ALLAN H. WEIHE, P.E., L.SFOUNDER
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	<u>w</u> <u></u>	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	(3A)	SEC. LINE 9+89.12 9+89.12 707.03 D TO7.	D.&U.E. = DRAINAGE, UTILITY AND SEWER EASEMENT CONCRETE END SECTION ME = MATCH EXISTING TYP. = TYPICAL PROP. = PROPOSED EX. = EXISTING R. = RADIUS V.W. = VARIABLE WIDTH ROW = RIGHT-OF-WAY B-B = BACK OF CURB = PAD (TYP. PAD SIZE 60'X70') B.S.L. = BUILDING SETBACK LINE * = ADA RAMP Q = FIRE HYDRANT CURVE TAB	<ul> <li>NOTED.</li> <li>5. TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION TO CONFORM TO APPLICABLE LOCAL AND STATE STANDARDS.</li> <li>6. ALL CONSTRUCTION ACTIVITY ON THIS SITE TO BE PERFORMED IN COMPLIANCE WITH APPLICABLE O.S.H.A. STANDARDS FOR WORKER SAFETY.</li> <li>7. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL UTILITY LOCATIONS BEFORE CONSTRUCTION BEGINS.</li> <li>8. SEE SECONDARY PLAT FOR STREET CENTERLINE GEOMETRY, EASEMENT LOCATIONS AND DESIGNATIONS.</li> </ul>	ENGINEERS Land Surveying   Civil Engineering Land Surveying   Civil Engineering Land Surveying   Civil Engineering Landscape Architecture
	<u>10' D.&amp;U.E.</u>		<u>10'</u> D.&U.E	10' D.&U.E. (46)	CURVE #       ARC LENGTH       RADIUS       DELTA         C1       141.22'       600.00'       13°29'07         C2       68.62'       600.00'       6°33'11         C3       53.85'       200.00'       15°25'36         1"-HMA SURFACE 3"-HMA BINDER         9"-STONE	BEARING     DISTANCE       7"     S83°04'10"W     140.89'       "     S03°27'52"E     68.59'       5"     S07°54'05"E     53.69'	DATE         BY         PROJECT NO.:           M21.0353         W21.0353           DWG NAME:         C400 Street PnP           DSIGNED BY:         SCS           DRAWN BY:         MEN           DRAWN BY:         MEN           DATE:         DATE:
			 CKET DRIVE DCAL SECTION)		PAVEMENT SECTION (NO SCALE)	Know what's below. Call before you dig. Within Indiana Call 811 or 800–382–5544 24 Hours a Day, 7 Days a Week. PER INDIANA STATE LAW IC 8-1-26. It is AGAINST THE LAW TO EXCAVE WITHOUT NOTIFYING THE UNDERGROUND LOCATION SERVICE TWO (2) WORKING DAYS BEFORE COMMENCING WORK.	IONS AND ISSUES
LOW PT E P.V.I. STA P.V.I. EL P.V.I. EL K =	TA = 2+25.01 EL. = 708.08 $A = 2+17.51$ $L = 707.99$ = 29.18	HIGH PT STA = 4+54.52 HIGH PT EL. = 709.36 P.V.I. STA. = 4+65.00 P.V.I. EL. = 709.47 K = 24.20 CURVE LEN = 50.00'	LOW F	T STA = 7+04.99 T EL. = 706.24 STA = 6+93.46	HIGH PT STA = 9+16.52 LG HIGH PT EL. = 707.38 P.	N PT STA = 10+00.90     725       OW PT EL. = 707.00     720       V.I. STA. = 10+19.75     720       P.V.I. EL. = 706.84     K = 26.92	APPROVALONSTRUCTION NOTFORCONSTRUCTION
P.V.C. STA. = $1 + 92.51$ P.V.L. STA. = $1 + 92.51$ P.V.L. STA. = $1 + 92.51$	EN = 50.00' 	P.V.C. STA. = 4+40.00 P.V.C. STA. = 4+40.00 P.V.C. EL. = 709.32 P.V.T. STA. = 4+90.00 P.V.T. STA. = 4+90.00	P.V.I.	EL. = 706.12 K = 26.62 E LEN = 55.00' 96.07 + L = 1.7 + L = 0.1 + L =	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	SEC. LINE = 0.00.00 SEC. L	SON COUNTY, IN
United States of the states of		Image: state stat					CTION 1
		Image: state stat			916.7	Image: Second state sta	DEERFIELD SEC RUNYON ROAD, NORTH OF OI STREET PLAN AND PF
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BROCK		L	1			(435) 	<u>10'</u> D.&U.E. 10' D.&U.E. 10' D.&U.E. <u>30' B.S.L.</u> <u>30' B.S.L.</u> <u>15' D.&amp;U.E</u> <u>8+00</u> <u>30' B.S.L.</u> <u>17</u> <u>30' B.S.L.</u> <u>17</u> <u>10' D.&amp;U.E.</u>	437 437 437 437 437 437 437 437 437 437		W	EX. 12" PVC-	EGEND: PROI = = = = = = = = = = = = = = = = = = =	RIGHT-OF-WAY LINE PROPOSED STORM SE SWALE SSD PROPOSED SANITARY SANITARY SEWER MAN PROPOSED WATER LINE STORM BEEHIVE INLET STORM INLET TOP OF CASTING INVERT REINFORCED CONCRET MANHOLE STRUCTURE DRAINAGE, UTILITY ANI DRAINAGE, UTILITY ANI DRAINAGE, UTILITY ANI CONCRETE END SECTION MATCH EXISTING TYPICAL PROPOSED EXISTING RADIUS VARIABLE WIDTH RIGHT-OF-WAY BACK OF CURB PAD (TYP. PAD SIZE 60' BUILDING SETBACK LIN ADA RAMP FIRE HYDRANT IAAARAMP	WER LINE SEWER LINE NHOLE E D SANITARY SEWER EAS D SEWER EASEMENT ON	FOR ALL STREETS T (MEASURED FR UNLESS OTHER 3. ALL RIGHTS-OF WIDTH UNLESS NOTED. 4. ALL CURB RADI INTERSECTIONS OF CURB UNLES NOTED. 5. TEMPORARY TF DURING CONST CONFORM TO A AND STATE STA 6. ALL CONSTRUCT THIS SITE TO BI COMPLIANCE W O.S.H.A. STAND WORKER SAFET 7. IT SHALL BE THI RESPONSIBILIT ALL UTILITY LOO CONSTRUCTION 8. SEE SECONDAP STREET CENTE EASEMENT LOO DESIGNATIONS ABLE TA CHORD BEARING 907" S83°04'10"W '11" S03°27'52"E	SHWAY LATEST EDITION, O THIS PROJECT ET IMPROVEMENTS. O BE 28' IN WIDTH COM B-B OF CURB) WISE NOTED. COMBENDING OTHERWISE IN AT SARE 25' TO BACK SS OTHERWISE IN AT SARE 25' TO BACK SS OTHERWISE IN AT SARE 25' TO BACK SS OTHERWISE IN ACTIVITY ON E PERFORMED IN VITH APPLICABLE LOCAL ANDARDS. CTION ACTIVITY ON E PERFORMED IN VITH APPLICABLE ARDS FOR TY. E CONTRACTOR'S Y TO FIELD VERIFY CATIONS BEFORE N BEGINS. RY PLAT FOR FRLINE GEOMETRY, CATIONS AND	BY       PROJECT NO::       W21.0353         W21.0353       W21.0353         DWG NAME:       W21.0353         DWG NAME:       US1.0353         DESIGNED BY:       E N G I N E E R S         DESIGNED BY:       E N G I N E E R S         DESIGNED BY:       S17   846 - 6611         MEN       MEN         MEN       MEN         DATE:       DATE:         DATE:       Build with confidence.
		LOW PT STA = 2 LOW PT EL. = P.V.I. STA. = 2 P.V.I. EL. = 70	708.08 +17.51		HIGH F HIGH F HIGH P.V.I. P.V.	<b>BRO</b> ( <i>L</i> ) PT STA = 4+54.52 PT EL. = 709.36 STA. = 4+65.00 I. EL. = 709.47 K = 24.20			LOW PT STA				MPACTED SUBGRADE	(ON SCALE)	Within In 811 or 80 24 Hours a Da PER INDIANA STA IT IS AGAINST TH WITHOUT NOTIFYIN LOCATION SERVIC DAYS BEFORE ( LOW PT STA = 10+00.90 LOW PT EL. = 707.00 P.V.I. STA. = 10+19.75	efore you dig. ndiana Call 10-382-5544 ny, 7 Days a Week. NTE LAW IC 8-1-26. HE LAW TO EXCAVATE G THE UNDERGROUND SE TWO (2) WORKING COMMENCING WORK. 730 725 720	REVISIONS AND ISSUES DATE APPROACHING TO A DATE NOT FOR CONSTRUCTION NOT FOR CONSTRUCTION NOT FOR CONSTRUCTION
P.V.I. STA. = 1+00.00 P.V.I. STA. = 1+00.00 P.V.I. STA. = 1+12.00 F. 700.5	Q Q Q Q Q Q Q Q Q Q Q Q Q Q	K = 29.18 CURVE LEN = $132000000000000000000000000000000000000$	8		CUR P.V.C. STA D.V.C FI D.V.C	VE LEN = 50.00'			LOW PT EL. P.V.I. STA. = P.V.I. EL. = K = 2 CURVE LEN 96.990/ = 9799/ = 1000/ $1000/$	= 6+93.46 = 706.12 26.62			P.V.I. STA. = 9 P.V.I. EL. = K = 41.1 CURVE LEN = $\frac{23}{15}$ $\frac{15}{16}$ $\frac{10}{10}$	707.46 67 50.00' • • • • • • • • • • • • • • • • • • •	P.V.I. EL. = 706.84 K = 26.92 CURVE LEN = 70.00' 2000 -	j—	Release CTION 1       LENNAR         ROAD, NORTH OF OLIVE BRANCH ROAD, JOHNSON COUNTY, IN         In 13 North, Range 3 East, White River Township, Johnson County, Indiana
1+00 709.4 709.40		2+25 708.6 708.6 708.6 708.08 708.08	2+50 708.18 708.18 2+75 708.33 708.33	3+00 707.8 708.48 3+25 708.1 708.63 3+50 708.6 708.78		$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$5+25 \frac{710.1}{708.59}$ $5+50 \frac{708.9}{708.22}$ $5+75 \frac{707.7}{707.7}$		6+50 705.5 706.76 6+75 705.4 706.41	7+00 706.24 7+25 706.31 7+50 706.31			$8+75 \frac{704.3}{707.21}$ $9+00 \frac{704.8}{707.35}$ $9+25 \frac{705.2}{705.2}$		<ul> <li>FINISHED GRADE</li> <li>EXIST. GRADE ELEV.</li> <li>PROP. GRADE ELEV.</li> </ul>	10+75 709.8 707.94 0899	A TOWER NO. RUNYON ROAD SHEET NO. BROJECT NO. W21.0353

