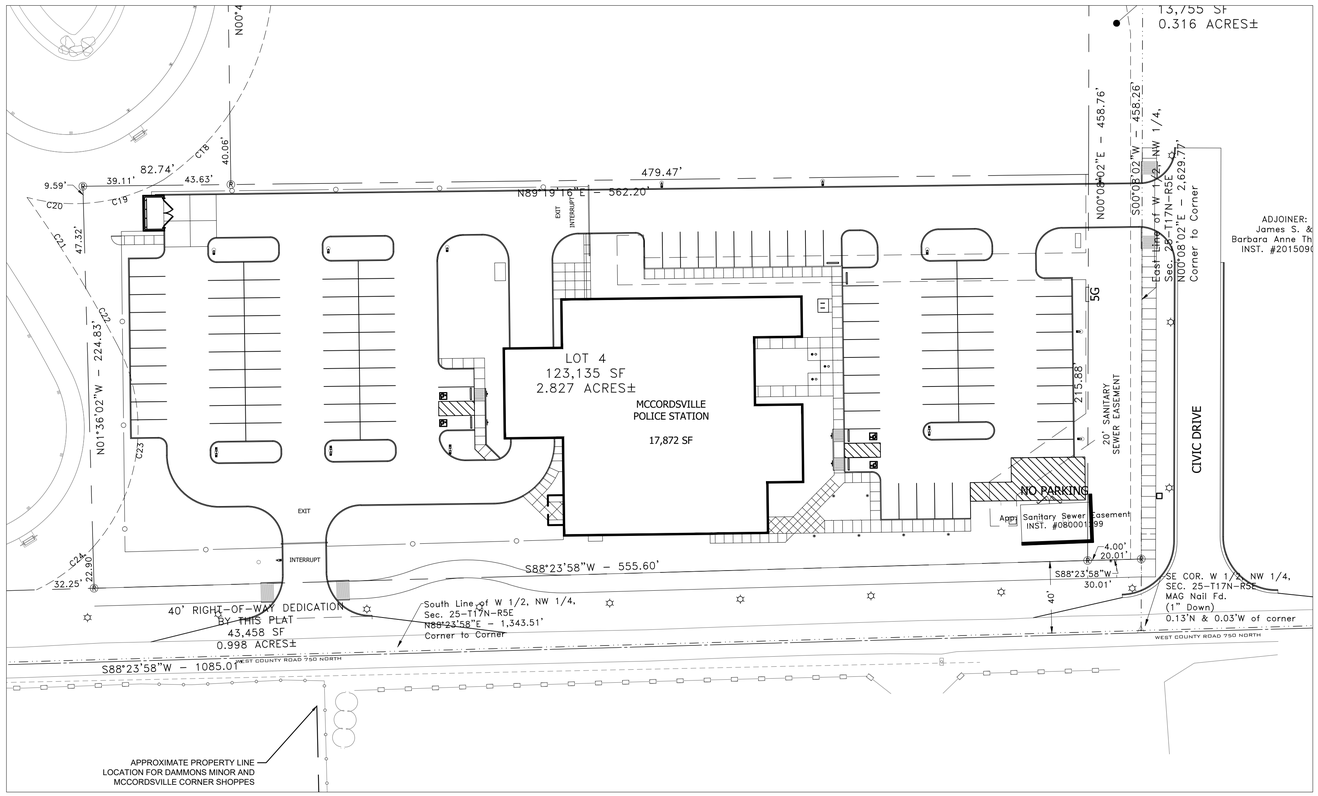
LAND DEVELOPMENT
MCCORDSVILLE
POLICE STATION
7520 CIVIC DRIVE MCCORDSVILLE, IN 46055

LOCATION MAP



PROJECT MAP
SCALE: 1" = 40'

SOILS MAP

PROJECT SOIL SURVEY	
Br	Brookston silty clay loam, 0 to 2 percent slopes
CrA	Crosby silt loam, fine-loamy subsoil, 0 to 2 percent slopes

Br Brookston silty clay loam
This nearly level soil is in depressions, on flats, and in narrow drainageways between better drained soils on broad, undulation plains. Slopes are 0 to 2 percent. In some small areas, this soil has a silt loam or clay loam surface layer. Runoff is very slow. Wetness is the main limitation. Because of wetness, the soil has severe limitations for nonfarm uses. Most areas are cultivated. A few are wooded. Wooded areas support fair stands of hardwoods, but some are heavily pastured. Permeability is moderate (0.6 to 2 in/hr) in the most restrictive layer above 60 inches. Available water capacity is high (12 inches in the upper 60 inches). The pH of the surface layer in non-limed areas is 6.6 to 7.3.

CrA Crosby silt loam, 0 to 3 percent slopes
This is a somewhat poorly drained soil with a seasonal high water table at 0.5 to 2.0 ft. This soil is located on rises on till plains; slopes are 0 to 3 percent. The native vegetation is hardwood forest. The surface layer is silt loam and has moderately low to moderate organic matter content (1.0 to 3.0 percent). Permeability is very slow (<0.06 in/hr) in the most restrictive layer above 60 inches. Available water capacity is moderate (6.2 inches in the upper 60 inches). The pH of the surface layer in non-limed areas is 5.1 to 6.5. Droughtiness and wetness are management concerns for crops production. This soil responds well to tile drainage; it is designated potentially highly erodible (class 2) in the Highly Erodible Land (HEL) classification system.

CABLE TELEVISION
BRIGHT HOUSE NETWORKS
3030 Roosevelt Ave
Indianapolis, IN 46218
317-632-9077
Jason Kirkman

CABLE TELEVISION
COMCAST CABLEVISION
5330 East 65th Street
Indianapolis, IN 46220
317-774-3384
Matt Stringer

COMMUNICATION
AT&T - DISTRIBUTION
240 N. Meridian St., Room 1791
Indianapolis, IN 46204
317-265-3050
Matt Spindler

COMMUNICATION / FIBER OPTIC
NINESTAR CONNECT
2243 E. Main St.
Greenfield, IN 46140
317-323-2074
Jason Warrick

ELECTRIC
NINESTAR CONNECT
6045 Broadway Street
McCordsville, Indiana 46055
317-323-2074
Eric Miller

GAS
CENTERPOINT ENERGY
16000 Allisonville Road
Noblesville, Indiana 46061
317-776-5532
Sandra Casey

WATER
CITIZENS ENERGY GROUP - WATER
CWA Authority, Inc.
2150 Dr. Martin Luther King, Jr. Street
Indianapolis, IN 46202
317-927-4351
Attn.: Brad Hostetler

SANITARY, STORM, & WATER
MCCORDSVILLE PUBLIC WORKS
5759 W. Broadway
McCordsville, IN 46055
317-335 -3604
Mark Witsman

FIRE DEPARTMENT
MCCORDSVILLE FIRE STATION
7580 Form Street
McCordsville, IN 46055
317-335-2268
Tom Alexander

POLICE
MCCORDSVILLE POLICE DEPT.
6280 West CR 800 North
McCordsville, IN 46055
317-335-281

SCHOOL DISTRICT
MT. VERNON COMM. SCH. CORP.
1806 West State Road 234
Fortville, IN 46040
Dr. Shane Robbins

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

PROJECT DATA

Project Information:

Project Title:	TOWN OF MCCORDSVILLE POLICE STATION
Parcel #:	30-01-25-200-010.004-018
Address:	7520 Civic Drive
City/Town:	McCordsville
County:	Hancock
Civil Township:	Vernon
Quarter:	NW
Section:	25
Township:	17N
Range:	5E
Latitude:	39°53'04"
Longitude:	85°54'33"

Project Description: This project includes a 17,872 sf Police Station building with 108 parking spaces, connective sidewalks, security fencing, signage and required utilities.

SHEET INDEX	
No.	DESCRIPTION
C100	COVER SHEET
1, 2	ALTA SURVEY (FOR REFERENCE ONLY)
C101-C102	EXISTING CONDITIONS AND DEMOLITION PLAN
C201-C202	SITE PLAN
C301-C302	GRADING PLAN
C401	SWPPP PLAN (INITIAL)
C402	SWPPP PLAN (CONST.)
C403	SWPPP PLAN (FINAL)
C404	SWPPP PLAN (DETAILS)
C405	SWPPP PLAN (INFORMATION)
C501-C502	UTILITY PLAN
C701-C704	STORM P&P
C901-C902	SITE DETAILS
1-10	MCCORDSVILLE INDIANA TOWN STANDARDS
L400	OVERALL LANDSCAPE PLAN
L401	SITE LANDSCAPE PLAN
L402	SITE LANDSCAPE PLAN
L410	IRRIGATION PLAN
L420	PLANTING DETAILS
L421	PLANTING DETAILS
E010	ELECTRICAL SITE PLAN
E011	SITE PHOTOMETRIC CALCULATIONS

LEGAL DESCRIPTION

LOT 4 IN THE SECONDARY PLAT OF MCCORD SQUARE, AN ADDITION TO THE TOWN OF MCCORDSVILLE, INDIANA, HANCOCK COUNTY, INDIANA, RECORDED AUGUST 23, 2022 AS INSTRUMENT NO. 202211264, PLAT CABINET D, SLIDE 201 IN THE OFFICE OF THE RECORDER HANCOCK COUNTY INDIANA.

REVISIONS		
MARK	DATE	DESCRIPTION
1		
2		
3		
4		

BENCHMARKS

H 235-T21
ELEVATION (RECORDED) 856.828 (NAVD 88)
ELEVATION (OBSERVED) 856.306 (NAVD 88)

DISK SET IN THE NORTHWEST WINGWALL OF A 32 FOOT CONCRETE BRIDGE OVER THE STANSBURY AND SCHULTZ REGULATED DRAIN. IT IS LOCATED 0.2 MILES SOUTH OF STATE ROAD 67,281 FEET EASTOF THE PHYSICAL CENTERLINE OF COUNTY ROAD 600 W AND 12.5 FEET NORTH OF THE PHYSICAL CENTERLINE OF COUNTY ROAD 750 NORT.

CSC TBM #2428 ELEV. 853.40

BS FOUND LOCATED APPROXIMATELY 50.5 FEET EAST OF THE PHYSICAL CENTERLINE OF HIGHWAY 67 AND 2,525.6 FEET NORTH OF THE PHYSICAL CENTERLINE OF COUNTY ROAD WEST 750 NORTH.

CSC TBM #2474 ELEV. 853.41

CUT "X" SET ON THE NORTHEAST MOST BOLT OF A FIRE HYDRANT LOCATED APPROXIMATELY 80.9 FEET EAST OF THE PHYSICAL CENTERLINE OF HIGHWAY 67 AND 2,542.7 FEET NORTH OF THE PHYSICAL CENTERLINE OF COUNTY ROAD WEST 750 NORTH.

FLOOD ZONE STATEMENT

ALL OF THE PARCEL DESCRIBED HEREIN DOES NOT LIE WITHIN THAT SPECIAL FLOOD ZONE "A", BUT LIES WITHIN FLOOD ZONE "X", AS SAID PARCEL PLOTS ON COMMUNITY PANEL NUMBER 18059 C0018D (DATED DECEMBER 04, 2007) OF THE FLOOD INSURANCE RATE MAPS FOR THE TOWN OF HANCOCK COUNTY MCCORDSVILLE, INDIANA, THE ACCURACY OF THIS FLOOD HAZARD STATEMENT IS SUBJECT TO MAP SCALE UNCERTAINTY AND TO ANY OTHER UNCERTAINTY IN LOCATION OR ELEVATION ON THE REFERENCED FLOOD INSURANCE RATE MAP.

RQAW
DCCM
A&F ENGINEERING
Transportation Engineering Services
Creating Order Since 1966

95% CD SET - Not For Construction

TOWN OF McCORDSVILLE
McCORDSVILLE POLICE STATION
7520 CIVIC DRIVE, MCCORDSVILLE, IN 46055

#	Revision	Date

Project #: 717000.1
Designed By: MM
Drawn By: SO
Checked By: KC
Date: 04/21/23

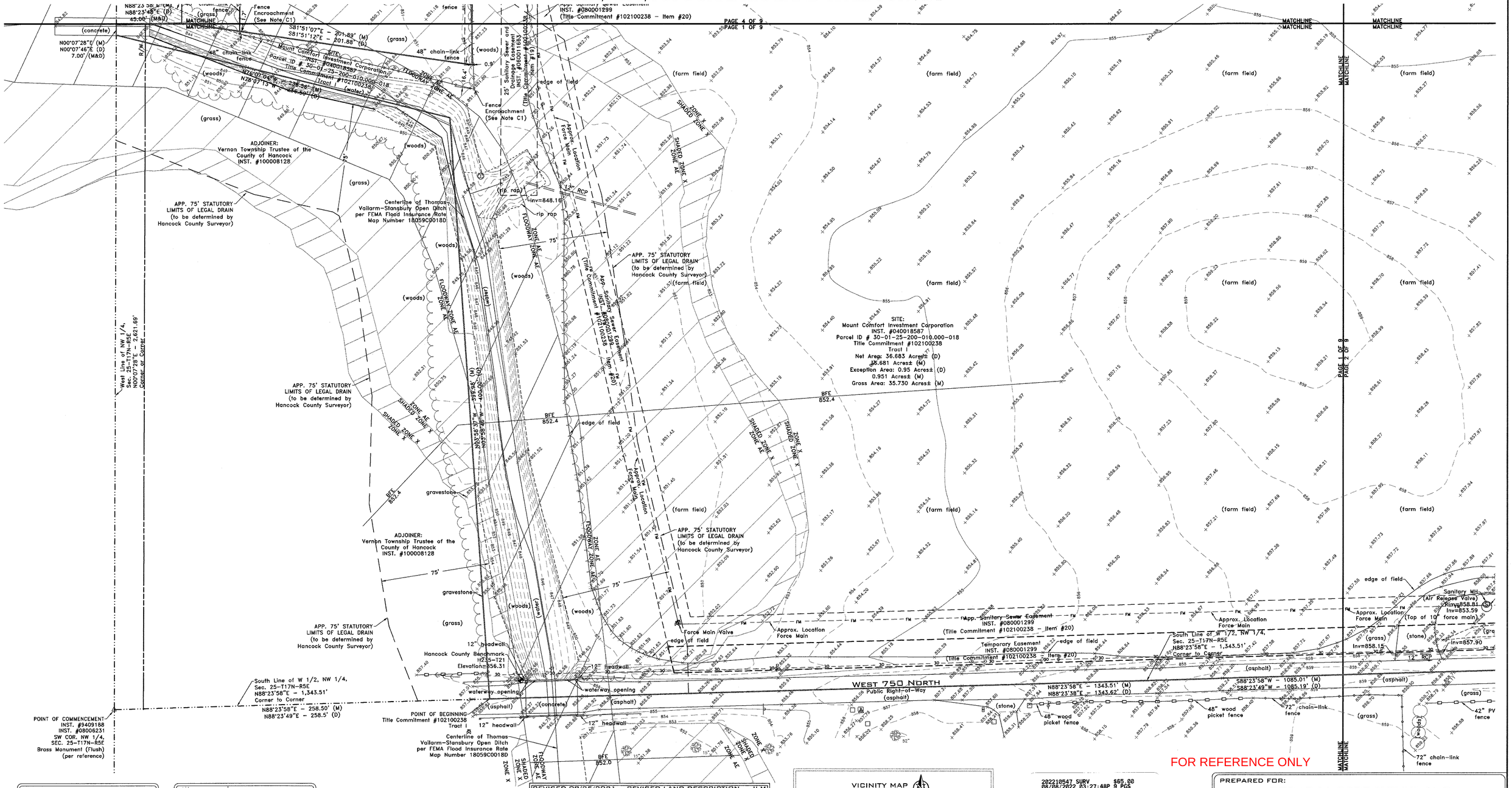
NOT FOR CONSTRUCTION

N

COVER SHEET

C100

ALTA/NSPS/TOPOGRAPHIC LAND TITLE SURVEY



LEGEND:

	DESCRIPTION:
	SIGN / TWO POST SIGN
W	WATER VALVE/FIRE HYD/METER
	TELE / GAS MARKER
	GAS METER / VALVE
	CLEAN-OUT
	ELEC. METER BOX/TRANSFORMER
	ELEC. / TELEPHONE PEDESTAL
	GUARD POST/POST with LIGHT
AC	AIR CONDITIONER / GENERATOR
	MAGNAIL SET/FOUND
	REBAR SET/FOUND
	SQUARE / ROUND / CURB INLET
	TRAFFIC/COMBO/ POWER POLE
	LIGHT POLE - SQUARE / ROUND

	DESCRIPTION:
12" / 36"	CONIFEROUS TREE & SIZE / DECIDUOUS TREE & SIZE
D / S	DRAINAGE /SANITARY MANHOLE
C / L	COMBINATION/MISC. LID MANHOLE
	BEEHIVE ROUND/SQUARE INLET
	GUY WIRE / GROUND LIGHT
WTR	UNDG. WATER LINE
G	UNDG. GAS LINE
UT	UNDG. TELEPHONE LINE
UE	UNDG. ELECTRIC LINE
OET	OVERHEAD ELE. & TEL
OETC	OVERHEAD ELE TEL & CAB
OE	OVERHEAD ELECTRIC
VCP	vitrified clay pipe
RCP	reinforced concrete pipe
PVC	polyethylene coated pipe
HDPE	high-density polyethylene pipe
DI	ductile iron pipe

30 0 15 30
(IN FEET)
1 inch = 30 ft.

"I affirm, under penalties for perjury, I have taken reasonable care to redact each social security number in this document, unless required by law."
Donald R. Mosson

REVISED 08/25/2021	REVISED LAND DESCRIPTION	JLM
REVISED 08/25/2021	CERTIFICATION NAME ADDED	JLM
REVISED 10/15/2021	ADDITIONAL TOPOGRAPHY	JLM
REVISED 12/22/2021	ADDITIONAL TOPOGRAPHY	JLM

VERTICAL DATUM:

H 235-T21
ELEVATION (RECORDED) 856.828 (NAVD 88)
ELEVATION (OBSERVED) 856.306 (NAVD 88)

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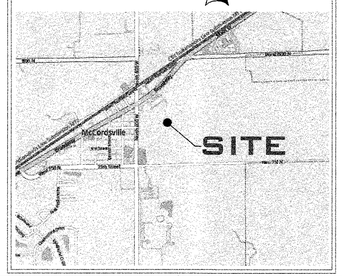
VICINITY MAP
NOT TO SCALE



202210547 SURV $65.00
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Marcia R. Moore
Hancock County Recorder IN
Recorded as Presented

IUPPS - 811 TICKET REQUEST NUMBER(S):
2107220256, 2107220264, 2107220279, 2107220293

UTILITY STATEMENT:
The underground utilities shown have been located from field survey information and existing drawings. Field survey information consisting of paint markings found on the ground per the Indiana Underground Plant Protection Service (IUPPS - 811). The paint markings shown hereon as evidence of probable underground utility locations and are consistent with typical utility markings. However, no utility report was provided to authenticate these markings. The user of this plat/map should rely upon such markings at their own risk. The surveyor makes no guarantees the underground utilities comprise all such utilities in the area, either in-service or abandoned. The surveyor further does not warrant the underground utilities shown are in the exact location indicated, although the surveyor does certify they are located as accurately as possible from information available. The surveyor has not physically located the underground utilities.

PREPARED FOR:
REBAR McCORDSVILLE, LLC
8700 NORTH STREET, SUITE 120
FISHERS, INDIANA 46038

PREPARED BY: Donald R. Mosson
CENTRAL STATES CONSULTING, LLC
23-B NORTH GREEN STREET
BROWNSBURG, INDIANA 46112
PHONE: 317-858-8662 FAX: 317-858-8672

CENTRAL STATES CSC CONSULTING, LLC
SURVEYING & LAND PLANNING

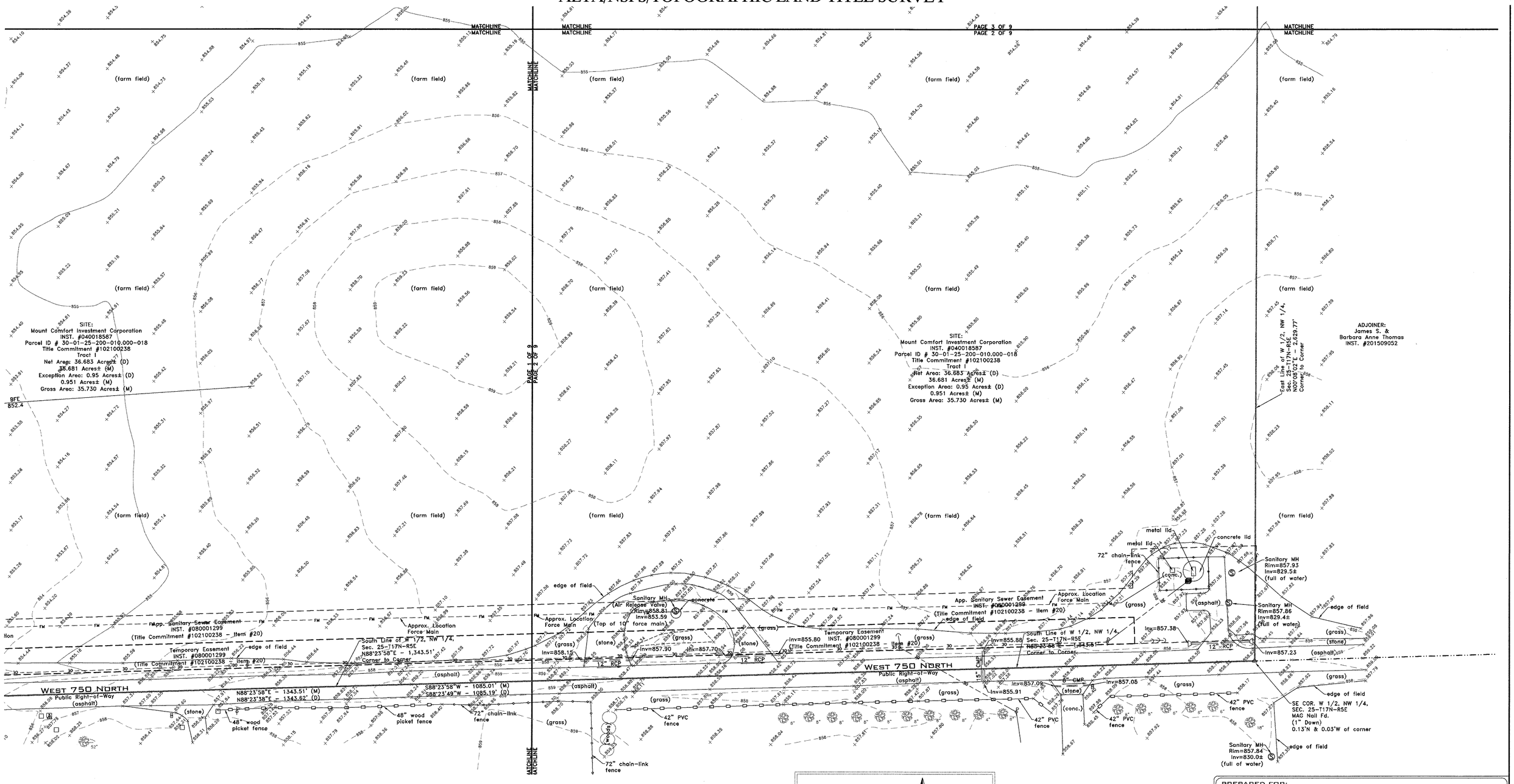
ALTA/NSPS/TOPOGRPAHIC LAND TITLE SURVEY
CR NORTH 600 WEST & STATE ROAD 67
McCORDSVILLE, INDIANA

DATE:	08-24-2021
DWN. BY:	DMP
CHKD. BY:	DRM
SCALE:	1" = 30'

PROJECT NUMBER 21-080

SHEET 1 OF 9

ALTA/NSPS/TOPOGRAPHIC LAND TITLE SURVEY



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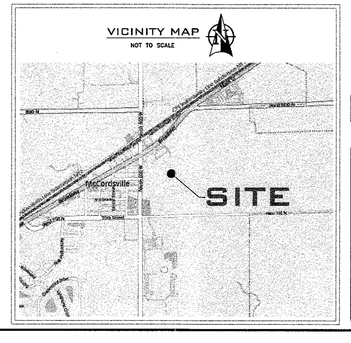

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8700 NORTH STREET, SUITE 120
FISHERS, INDIANA 46038

PREPARED BY: DONALD R. MOSSON
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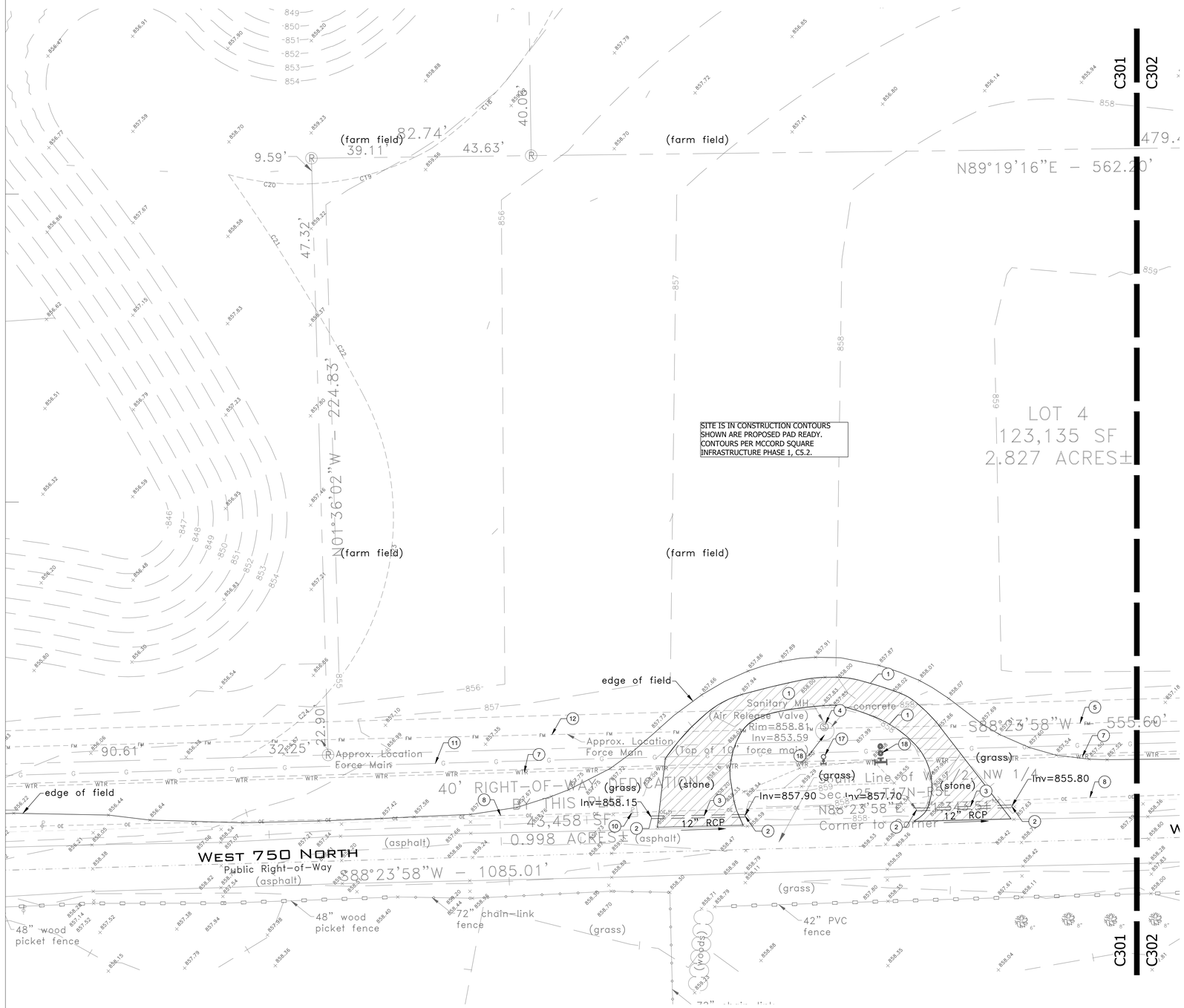
CR NORTH 600 WEST & STATE ROAD 67
McCORDSVILLE, INDIANA

DATE:	08-24-2021
DWN. BY:	DMP
CHKD. BY:	DRM
SCALE:	1" = 30'

PROJECT NUMBER 21-080



0 20' 40'

SCALE: 1" = 20'

DEMOLITION PLAN NOTES

1. EROSION CONTROL SHALL BE IN PLACE PRIOR TO ANY SOIL DISTURBANCE, INCLUDING PAVEMENT REMOVAL.
2. THE CONTRACTOR SHALL VERIFY THE LOCATION OF UNDERGROUND UTILITIES TO BE PROTECTED, REMOVED, RELOCATED OR ABANDONED PRIOR TO COMMENCING DEMOLITION ACTIVITIES.
3. THE CONTRACTOR SHALL COORDINATE WORK ASSOCIATED WITH THE REMOVAL, RELOCATION OR ABANDONMENT OF UTILITIES OR ACCESS TO UTILITIES WITH THE UTILITY COMPANY OR ENTITY HAVING OWNERSHIP OF EACH RESPECTIVE UTILITY. COSTS FOR DISCONNECTION, REMOVAL, AND/OR RELOCATION OF EXISTING UTILITIES AS SHOWN ON THE DRAWINGS OR AS NECESSARY TO ALLOW FOR EXECUTION OF THE WORK SHALL BE PAID BY THE CONTRACTOR.
4. NO OPEN BURNING SHALL BE PERMITTED ON THE SITE.
5. THE OWNER HAS FIRST SALVAGE RIGHTS ON ALL ITEMS REMOVED. IF OWNER FORFEITS RIGHTS, ALL DEMOLISHED MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE LEGALLY DISPOSED OF OFF-SITE UNLESS OTHERWISE SHOWN.
6. A CLEAN, STRAIGHT EDGE SHALL BE SAWCUT BETWEEN ALL EXISTING CONCRETE IN ASPHALT SURFACES SCHEDULED FOR DEMOLITION AND CONCRETE AND ASPHALT SURFACES TO REMAIN IN-PLACE.
7. TERMINAL ENDS OF UNDERGROUND UTILITIES ABANDONED IN-PLACE SHALL BE CUT, CAPPED AND PLUGGED. THE ENDS OF DISCONNECTED UNDERGROUND UTILITIES SHALL BE MARKED FOR FUTURE IDENTIFICATION WITH DETECTABLE LOCATOR TAPE OR A METAL ROD.
8. COORDINATE DEMOLITION WORK WITH NEW CONSTRUCTION ON OR ADJACENT TO PROJECT SITE.
9. ALL FOUNDATIONS, SLABS, STRUCTURAL STEEL, MASONRY, SIDEWALKS, RETAINING WALLS, CURBS, APPARATUSES, ETC., DESIGNATED FOR REMOVAL SHALL BE DEMOLISHED ACCORDING TO SPECIFICATIONS. ALL DEMOLITION WITHIN PROPOSED FOOTPRINT SHALL BE COORDINATED WITH THE BUILDING DRAWINGS.
10. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING SAFE ACCESS FOR PEDESTRIANS AND VEHICLE TRAFFIC. THE CONTRACTOR WILL MAINTAIN ALL UTILITY SERVICES TO ALL EXISTING UTILITY STRUCTURES INCLUDING THE LIFT STATION. IF UTILITY SERVICES MUST BE INTERRUPTED, THE CONTRACTOR SHALL COORDINATE THAT SHUTDOWN TO MINIMIZE IMPACT TO THE UTILITY COMPANY AND ALL OTHER INCLUDED/INTERESTED PARTIES. COORDINATE SHUTDOWN AT LEAST ONE WEEK IN ADVANCE WITH UTILITY COMPANY, OWNER'S REPRESENTATIVE AND FACILITY MANAGER.
11. ALL EXISTING ON-SITE UTILITIES SHALL REMAIN UNLESS DESIGNATED FOR REMOVAL, OR UNLESS THEY INTERFERE WITH PROJECT CONSTRUCTION. CONTACT ENGINEER BEFORE REMOVING. CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES TO REMAIN.
12. EXISTING FIRE HYDRANTS, MANHOLES, CATCH BASINS, CLEANOUTS, VALVE BOXES, FRAMES COVERS AND GRATES REMAINING IN USE SHALL BE PROTECTED AND ADJUSTED TO FINAL GRADES.
13. REMOVE EXISTING UTILITIES ONLY AFTER CRITICAL NEW SYSTEMS ARE IN PLACE AND OPERATIONAL (I.E. STORM DRAINAGE, SERVICES TO EXISTING STRUCTURES). IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE PROPER REMOVAL, INCLUDING SAFE SEQUENCING OF UTILITY REMOVAL. CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AT ALL TIMES.
14. FOR ALL UTILITY LINES AND STRUCTURES DESIGNATED TO BE REMOVED, PLACE AND COMPACT STRUCTURAL BACKFILL WITHIN TRENCH/EXCAVATION.
15. CONTRACTOR SHALL CUT CONCRETE AT NEAREST CONSTRUCTION JOINT.
16. CONTRACTOR WILL BE RESPONSIBLE TO REPAIR, REPLACE, AND/OR RECONNECT ANY EXISTING DRAINAGE TILES NOT SHOWN ON THE PLANS, WHICH CROSS THROUGH EXCAVATED TRENCHES. ANY DRAINAGE TILE ENCOUNTERED IS TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND A MEASUREMENT TAKEN FROM THE NEAREST MANHOLE OR INLET STRUCTURE TO THE CENTERLINE OF THE TILE.

DEMOLITION PLAN LEGEND

1. REMOVE EXISTING STONE.
2. REMOVE EXISTING STORM STRUCTURE .
3. REMOVE EXISTING STORM LINE. LIFT STATION CULVERT SHALL NOT BE REMOVED UNTIL CIVIC DRIVE STORM INLETS ARE INSTALLED AND OPERATIONAL.
4. EXISTING SANITARY SEWER STRUCTURE TO REMAIN. (PROTECT DURING CONSTRUCTION)
5. EXISTING SANITARY SEWER LINE TO REMAIN. (PROTECT DURING CONSTRUCTION)
6. EXISTING LIFT STATION AREA TO REMAIN. (PROTECT DURING CONSTRUCTION)
7. EXISTING 16" WATERMAIN TO REMAIN. (PROTECT DURING CONSTRUCTION)
8. EXISTING OVERHEAD ELECTRIC TO REMAIN DURING CONSTRUCTION. NEW ELECTRIC SERVICE WILL BE FEED FROM NORTH AND INFRASTRUCTURE ALONG W 750 N WILL BE REMOVED (COORDINATE W/ NINESTAR)
9. EXISTING UNDERGROUND ELECTRIC TO REMAIN. (PROTECT DURING CONSTRUCTION)
10. EXISTING POWER POLE AND GUY WIRES TO REMAIN DURING CONSTRUCTION. NEW ELECTRIC SERVICE WILL BE FEED FROM NORTH AND INFRASTRUCTURE ALONG W 750 N WILL BE REMOVED (COORDINATE W/ NINESTAR)
11. EXISTING GAS LINE TO REMAIN. (PROTECT DURING CONSTRUCTION)
12. EXISTING SANITARY FORCE MAIN TO REMAIN. (PROTECT DURING CONSTRUCTION)
13. REMOVE EXISTING FENCE
14. EXISTING STORM AND STRUCTURE TO REMAIN. CLEAR SEDIMENT.
15. EXISTING ASPHALT TO BE REMOVED ONCE ACCESS HAS BEEN ACHIEVED WITH PROPOSED PARKING LOT.
16. SAW CUT ASPHALT
17. EXISTING FIRE HYDRANT TO REMAIN. (PROTECT DURING CONSTRUCTION). ADJUST TO FINISH GRADE UPON PROJECT COMPLETION.
18. EXISTING AIR RELIEF VALVE TO REMAIN. (PROTECT DURING CONSTRUCTION)

KEY NOTE LEGEND

- EXISTING WATER LINE
- EXISTING GAS
- EXISTING FORCE MAIN
- EXISTING SANITARY LINE
- EXISTING STORM LINE
- EXISTING OVERHEAD ELECTRIC
- EXISTING UNDERGROUND ELECTRIC
- EXISTING FENCE
- PROPERTY LINE
- EASEMENT
- EXISTING POWER POLE
- EXISTING GUY WIRE
- EXISTING ELECTRIC BOX
- EXISTING SANITARY MANHOLE
- EXISTING AIR RELIEF VALVE
- EXISTING FIRE HYDRANT

RQAW

DCCM

A&F ENGINEERING
Transportation Engineering Services
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95% CD SET - Not For Construction

TOWN OF McCORDSVILLE

McCORDSVILLE POLICE STATION

7520 CIVIC DRIVE, MCCORDSVILLE, IN 46055

#	Revision	Date

Project #: 717000.1

Designed By: MM

Drawn By: SO

Checked By: KC

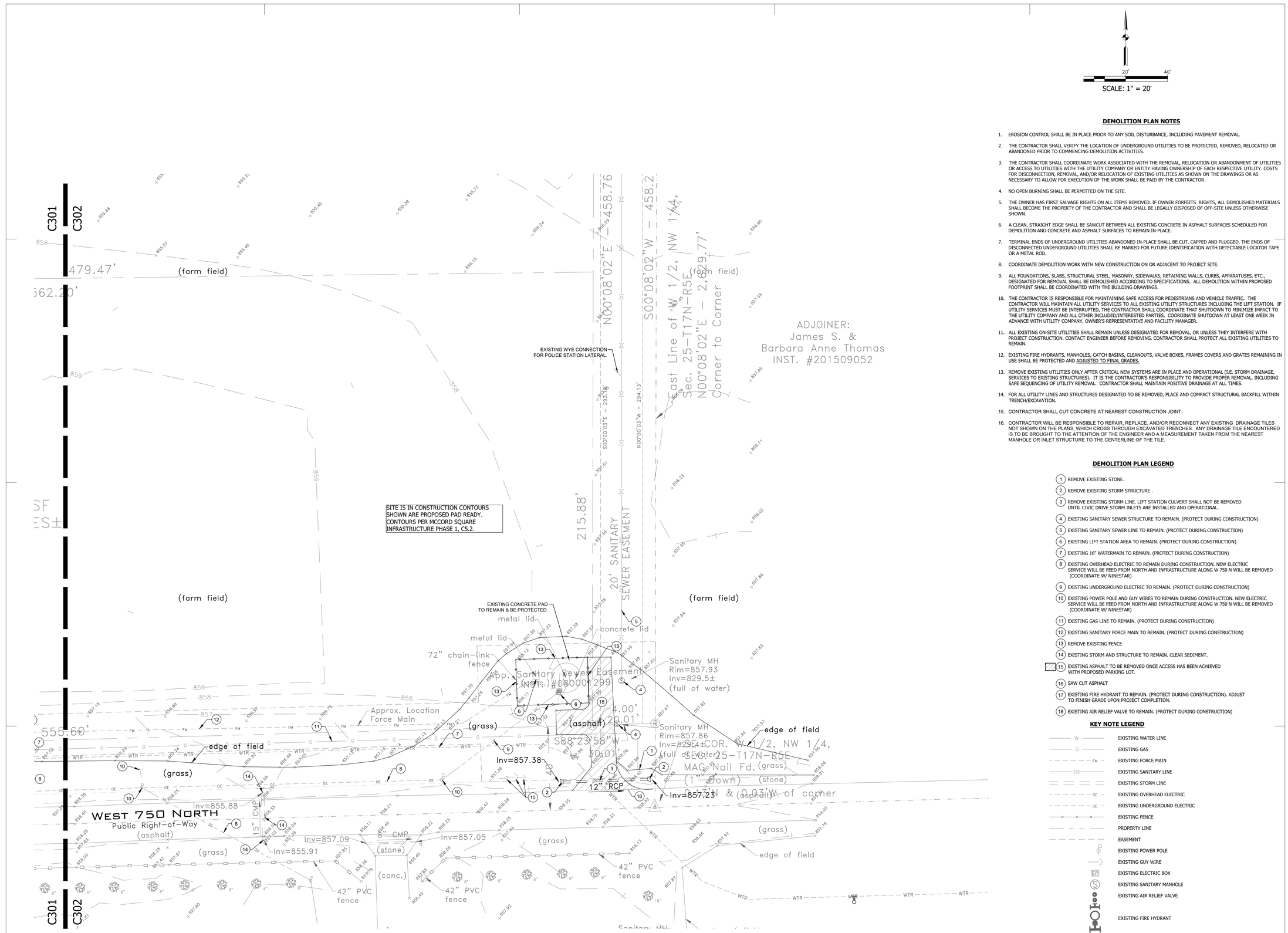
Date: 04/21/23

NOT FOR CONSTRUCTION

N

EXISTING CONDITIONS AND DEMOLITION PLAN

C101



SCALE: 1" = 20'

DEMOLITION PLAN NOTES

1. EROSION CONTROL SHALL BE IN PLACE PRIOR TO ANY SOIL DISTURBANCE, INCLUDING PAVEMENT REMOVAL.
2. THE CONTRACTOR SHALL VERIFY THE LOCATION OF UNDERGROUND UTILITIES TO BE PROTECTED, REMOVED, RELOCATED OR ABANDONED PRIOR TO COMMENCING DEMOLITION ACTIVITIES.
3. THE CONTRACTOR SHALL COORDINATE WORK ASSOCIATED WITH THE REMOVAL, RELOCATION OR ABANDONMENT OF UTILITIES OR ACCESS TO UTILITIES WITH THE UTILITY COMPANY OR ENTITY HAVING OWNERSHIP OF EACH RESPECTIVE UTILITY. COSTS FOR DISCONNECTION, REMOVAL, AND/OR RELOCATION OF EXISTING UTILITIES AS SHOWN ON THE DRAWINGS OR AS NECESSARY TO ALLOW FOR EXECUTION OF THE WORK SHALL BE PAID BY THE CONTRACTOR.
4. NO OPEN BURNING SHALL BE PERMITTED ON THE SITE.
5. THE OWNER HAS FIRST SALVAGE RIGHTS ON ALL ITEMS REMOVED. IF OWNER FORFEITS RIGHTS, ALL DEMOLISHED MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE LEGALLY DISPOSED OF OFF-SITE UNLESS OTHERWISE SHOWN.
6. A CLEAN, STRAIGHT EDGE SHALL BE SAWCUT BETWEEN ALL EXISTING CONCRETE IN ASPHALT SURFACES SCHEDULED FOR DEMOLITION AND CONCRETE AND ASPHALT SURFACES TO REMAIN IN-PLACE.
7. TERMINAL ENDS OF UNDERGROUND UTILITIES ABANDONED IN-PLACE SHALL BE CUT, CAPPED AND PLUGGED. THE ENDS OF DISCONNECTED UNDERGROUND UTILITIES SHALL BE MARKED FOR FUTURE IDENTIFICATION WITH DETECTABLE LOCATOR TAPE OR A METAL ROD.
8. COORDINATE DEMOLITION WORK WITH NEW CONSTRUCTION ON OR ADJACENT TO PROJECT SITE.
9. ALL FOUNDATIONS, SLABS, STRUCTURAL STEEL, MASONRY, SIDEWALKS, RETAINING WALLS, CURBS, APPARATUSES, ETC., DESIGNATED FOR REMOVAL SHALL BE DEMOLISHED ACCORDING TO SPECIFICATIONS. ALL DEMOLITION WITHIN PROPOSED FOOTPRINT SHALL BE COORDINATED WITH THE BUILDING DRAWINGS.
10. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING SAFE ACCESS FOR PEDESTRIANS AND VEHICLE TRAFFIC. THE CONTRACTOR WILL MAINTAIN ALL UTILITY SERVICES TO ALL EXISTING UTILITY STRUCTURES INCLUDING THE LIFT STATION. IF UTILITY SERVICES MUST BE INTERRUPTED, THE CONTRACTOR SHALL COORDINATE THAT SHUTDOWN TO MINIMIZE IMPACT TO THE UTILITY COMPANY AND ALL OTHER INCLUDED/INTERESTED PARTIES. COORDINATE SHUTDOWN AT LEAST ONE WEEK IN ADVANCE WITH UTILITY COMPANY, OWNER'S REPRESENTATIVE AND FACILITY MANAGER.
11. ALL EXISTING ON-SITE UTILITIES SHALL REMAIN UNLESS DESIGNATED FOR REMOVAL, OR UNLESS THEY INTERFERE WITH PROJECT CONSTRUCTION. CONTACT ENGINEER BEFORE REMOVING. CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES TO REMAIN.
12. EXISTING FIRE HYDRANTS, MANHOLES, CATCH BASINS, CLEANOUTS, VALVE BOXES, FRAMES COVERS AND GRATES REMAINING IN USE SHALL BE PROTECTED AND ADJUSTED TO FINAL GRADES.
13. REMOVE EXISTING UTILITIES ONLY AFTER CRITICAL NEW SYSTEMS ARE IN PLACE AND OPERATIONAL (I.E. STORM DRAINAGE, SERVICES TO EXISTING STRUCTURES). IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE PROPER REMOVAL, INCLUDING SAFE SEQUENCING OF UTILITY REMOVAL. CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AT ALL TIMES.
14. FOR ALL UTILITY LINES AND STRUCTURES DESIGNATED TO BE REMOVED, PLACE AND COMPACT STRUCTURAL BACKFILL WITHIN TRENCH/EXCAVATION.
15. CONTRACTOR SHALL CUT CONCRETE AT NEAREST CONSTRUCTION JOINT.
16. CONTRACTOR WILL BE RESPONSIBLE TO REPAIR, REPLACE, AND/OR RECONNECT ANY EXISTING DRAINAGE TILES NOT SHOWN ON THE PLANS, WHICH CROSS THROUGH EXCAVATED TRENCHES. ANY DRAINAGE TILE ENCOUNTERED IS TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND A MEASUREMENT TAKEN FROM THE NEAREST MANHOLE OR INLET STRUCTURE TO THE CENTERLINE OF THE TILE.

DEMOLITION PLAN LEGEND

1. REMOVE EXISTING STONE.
2. REMOVE EXISTING STORM STRUCTURE .
3. REMOVE EXISTING STORM LINE. LIFT STATION CULVERT SHALL NOT BE REMOVED UNTIL CIVIC DRIVE STORM INLETS ARE INSTALLED AND OPERATIONAL.
4. EXISTING SANITARY SEWER STRUCTURE TO REMAIN. (PROTECT DURING CONSTRUCTION)
5. EXISTING SANITARY SEWER LINE TO REMAIN. (PROTECT DURING CONSTRUCTION)
6. EXISTING LIFT STATION AREA TO REMAIN. (PROTECT DURING CONSTRUCTION)
7. EXISTING 16" WATERMAIN TO REMAIN. (PROTECT DURING CONSTRUCTION)
8. EXISTING OVERHEAD ELECTRIC TO REMAIN DURING CONSTRUCTION. NEW ELECTRIC SERVICE WILL BE FEED FROM NORTH AND INFRASTRUCTURE ALONG W 750 N WILL BE REMOVED (COORDINATE W/ NINESTAR)
9. EXISTING UNDERGROUND ELECTRIC TO REMAIN. (PROTECT DURING CONSTRUCTION)
10. EXISTING POWER POLE AND GUY WIRES TO REMAIN DURING CONSTRUCTION. NEW ELECTRIC SERVICE WILL BE FEED FROM NORTH AND INFRASTRUCTURE ALONG W 750 N WILL BE REMOVED (COORDINATE W/ NINESTAR)
11. EXISTING GAS LINE TO REMAIN. (PROTECT DURING CONSTRUCTION)
12. EXISTING SANITARY FORCE MAIN TO REMAIN. (PROTECT DURING CONSTRUCTION)
13. REMOVE EXISTING FENCE
14. EXISTING STORM AND STRUCTURE TO REMAIN. CLEAR SEDIMENT.
15. EXISTING ASPHALT TO BE REMOVED ONCE ACCESS HAS BEEN ACHIEVED WITH PROPOSED PARKING LOT.
16. SAW CUT ASPHALT
17. EXISTING FIRE HYDRANT TO REMAIN. (PROTECT DURING CONSTRUCTION). ADJUST TO FINISH GRADE UPON PROJECT COMPLETION.
18. EXISTING AIR RELIEF VALVE TO REMAIN. (PROTECT DURING CONSTRUCTION)

KEY NOTE LEGEND

- W — EXISTING WATER LINE
- G — EXISTING GAS
- FM — EXISTING FORCE MAIN
- (S) — EXISTING SANITARY LINE
- STORM — EXISTING STORM LINE
- OE — EXISTING OVERHEAD ELECTRIC
- UE — EXISTING UNDERGROUND ELECTRIC
- EXISTING FENCE
- PROPERTY LINE
- EASEMENT
- EXISTING POWER POLE
- EXISTING GUY WIRE
- EP — EXISTING ELECTRIC BOX
- (S) — EXISTING SANITARY MANHOLE
- EXISTING AIR RELIEF VALVE
- EXISTING FIRE HYDRANT

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95% CD SET - Not For Construction

TOWN OF McCORDSVILLE

McCORDSVILLE POLICE STATION

7520 CIVIC DRIVE, MCCORDSVILLE, IN 46055

#	Revision	Date

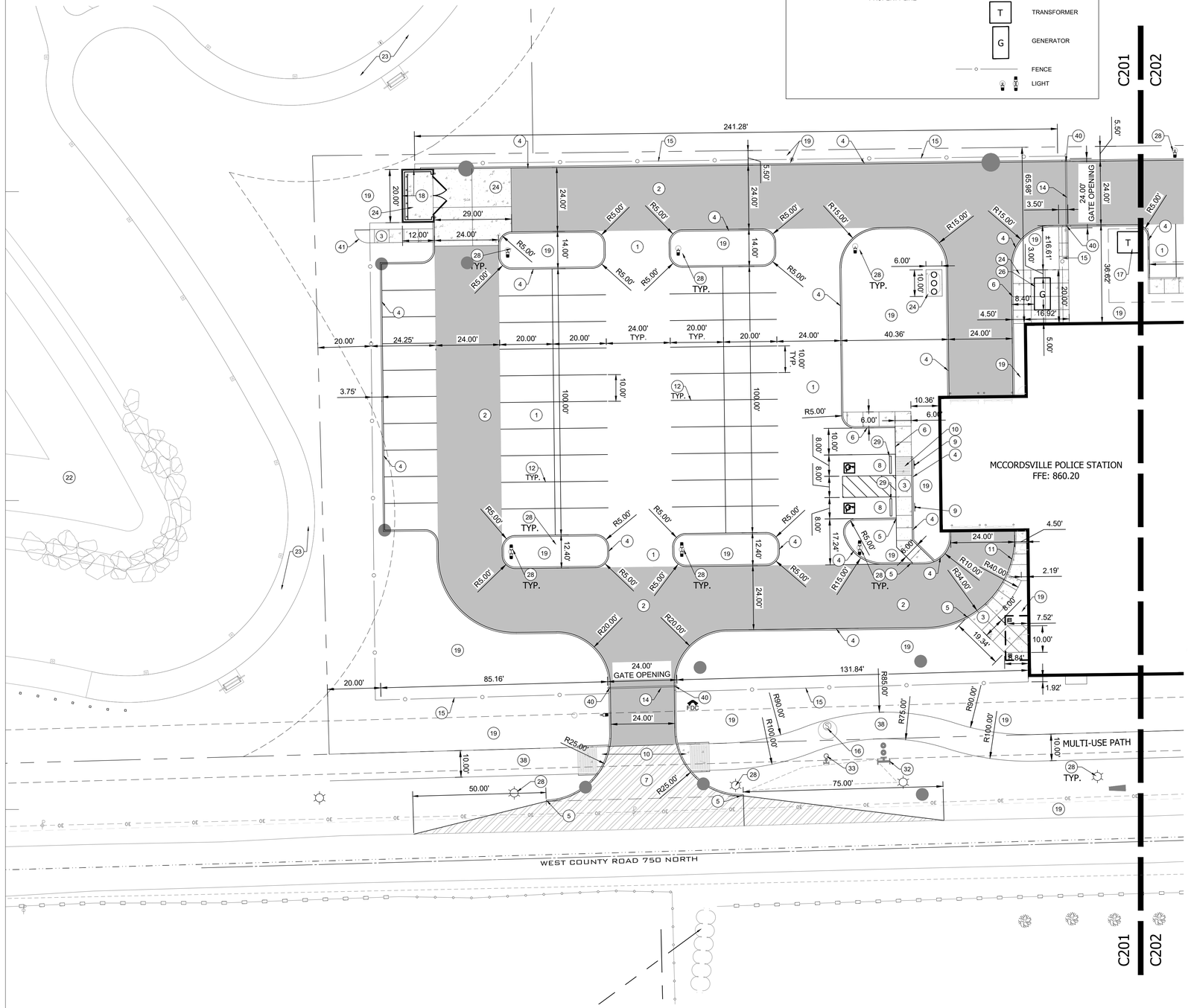
Project #: 717000.1
Designed By: MM
Drawn By: SO
Checked By: KC
Date: 04/21/23

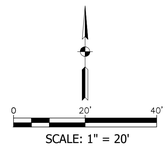
NOT FOR CONSTRUCTION

N

EXISTING CONDITIONS AND DEMOLITION PLAN

C102





GENERAL SITE NOTES

1. THE CONTRACTOR SHALL ENSURE THAT ALL NECESSARY PERMITS AND APPROVALS HAVE BEEN OBTAINED FROM AGENCIES HAVING JURISDICTION OVER THE WORK PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL OBTAIN AND PAY THE COST OF ALL PERMITS THAT HAVE NOT BEEN SECURED BY THE OWNER.
2. THE CONTRACTOR SHALL COMPLY WITH THE CONSTRUCTION SAFETY STANDARDS AS ISSUED BY THE U.S. DEPARTMENT OF LABOR OCCUPATIONAL HEALTH AND SAFETY ADMINISTRATION AS SET FORTH IN FINAL RULE 29, PART 1926, WHERE SUCH REGULATIONS APPLY TO THE WORK.
3. LOCATIONS OF UTILITIES SHOWN WITHIN THESE PLANS ARE BASED UPON INFORMATION OBTAINED FROM UTILITY COMPANIES OR THEIR REPRESENTATIVES AND FIELD EVIDENCE OF IMPROVEMENTS VISIBLE ON THE GROUND SURFACE. EXACT LOCATIONS OF UNDERGROUND UTILITIES HAVE NOT BEEN VERIFIED. THE CONTRACTOR SHALL NOTIFY UTILITY COMPANIES AND REQUEST FIELD LOCATIONS OF SUCH WITHIN THE WORK AREA PRIOR TO COMMENCING EXCAVATION ACTIVITIES. THE CONTRACTOR SHALL REPORT ANY VARIATIONS FROM THE LOCATIONS SHOWN THAT MAY PRESENT A CONFLICT WITH EXECUTION OF THE WORK TO THE ENGINEER IN ADVANCE OF CONSTRUCTION.
4. THE CONTRACTOR SHALL COORDINATE WITH THE RESPECTIVE UTILITY COMPANIES AND SHALL PAY THE COST OF PROTECTION, RELOCATION, REMOVAL, CONNECTION, AND/OR RECONNECTION OF UTILITIES AS NECESSARY FOR EXECUTION OF THE WORK.
5. MATERIALS AND WORKMANSHIP SHALL COMPLY WITH ALL APPLICABLE CODES, SPECIFICATIONS, LOCAL ORDINANCES, INDUSTRY STANDARDS AND UTILITY COMPANY REGULATIONS.
6. IF IT WILL BE NECESSARY TO RELOCATE EXISTING UTILITIES, THE EXPENSE OF SUCH RELOCATION SHALL BE THE RESPONSIBILITY OF THE DEVELOPER/CONTRACTOR. ALL UTILITY POLES SHALL BE LOCATED WITHIN ONE FOOT OF THE PROPOSED RIGHT-OF-WAY.
7. NO EARTH DISTURBING ACTIVITY MAY COMMENCE WITHOUT AN APPROVED STORM WATER MANAGEMENT PERMIT.
8. ALL DIMENSIONS ARE TO FACE OF CURB, EDGE OF PAVEMENT OR FACE OF BUILDING

SITE DEVELOPMENT PLAN NOTES

1. ALL DIMENSIONS ARE MEASURED TO THE FACE OF CURB, EDGE OF PAVEMENT OR THE FACE OF BUILDING UNLESS OTHERWISE SHOWN.
2. BEARINGS, DIMENSIONS AND EASEMENTS ARE SHOWN FOR REFERENCE. REFER TO RECORDED PLATS AND SURVEYS FOR ADDITIONAL PROPERTY INFORMATION.
3. REFER TO ARCHITECTURAL PLANS FOR BUILDING DIMENSIONS AND DETAILS.
4. TRANSVERSE EXPANSION JOINTS ARE TO BE PROVIDED IN CONCRETE SIDEWALKS AND COMBINED WALKS/CURBS WHERE SHOWN AND AT INTERVALS NOT TO EXCEED 12 x THE WIDTH OF THE WALK.
5. EXPANSION JOINTS SHALL BE INSTALLED IN CONCRETE PAVEMENTS AND WALKS AT ALL LOCATIONS WHERE PAVEMENTS AND WALKS ABUT A VERTICAL SURFACE SUCH AS A CURB, WALL, COLUMN, ETC.
6. CONTRACTION JOINTS SHALL BE PROVIDED AT EQUAL INTERVALS BETWEEN EXPANSION JOINTS IN CONCRETE WALKS. INSTALL CONTRACTION JOINTS AS SHOWN BUT IN NO CASE AT INTERVALS GREATER THAN 1.5 x THE WIDTH OF THE WALK.

SITE PLAN KEY NOTE LEGEND

1. STANDARD DUTY ASPHALT (SEE DETAILS)
2. HEAVY DUTY ASPHALT (SEE DETAILS)
3. PROPOSED CONCRETE SIDEWALK (SEE DETAIL SHEETS)
4. CONCRETE BARRIER CURB (SEE DETAIL SHEETS)
5. CONCRETE CURB TAPER (SEE DETAIL SHEETS)
6. COMBINED CURB AND SIDEWALK (SEE DETAIL SHEETS)
7. RIGHT-OF-WAY ASPHALT (COLLECTOR PER TOWN OF MCCORDSVILLE DETAIL SHEET 2 OF 10)
8. ADA PARKING (SEE DETAIL SHEETS)
9. ADA SIGN (SEE DETAIL SHEETS)
10. CONCRETE ADA ACCESSIBLE RAMP (SEE DETAIL SHEETS) (NO DETECTABLE WARNING SURFACE)
11. FLUSH CONDITION CONRETE SIDEWALK
12. PARKING STRIPE. 4" WHITE PAINT STRIPE (SEE DETAIL SHEETS)
13. NO PARKING ZONE. 4" WHITE PAINT STRIPE. (SEE DETAIL SHEETS)
14. 8' TALL BLACK TRANSPORT IS IMPASSE SECURITY PALE CANTILEVER GATE ANTI-RAM BARRIER SLIDING SECURITY GATE 24' OPENING (NORTH GATE) OPEN LEFT. 24' OPENING 12' DOUBLE SLIDE (SOUTH GATE). (ELECTRIC OPERATOR & GATE EQUIPMENT PER SPECIFICATIONS)
15. 8' AMERISTAR IMPASSE II SECURITY FENCE
16. ADJUST EXISTING STRUCTURE / CASTING TO FINISH GRADE. PROVIDE 12" MIN. COVER OVER MANHOLE CAP.
17. TRANSFORMER PAD PER NINESTAR SPECIFICATIONS & STANDARDS
18. 6' TALL BRICK MASONRY DUMPSTER ENCLOSURE. BRICK & COLOR BY OWNER. (SEE ARCHITECTURAL SHEETS)
19. LANDSCAPE / TURF AREA. SEE 'L' SERIES PLANS.
20. EXISTING SANITARY LIFT STATION AREA.
21. MASONRY MONUMENT SIGN. (SEE ARCHITECTURAL PLANS)
22. EXISTING DEVELOPMENT POND.
23. EXISTING DEVELOPMENT AMENITY TRAIL.
24. HEAVY DUTY CONCRETE PAVEMENT. (SEE DETAIL SHEETS)
25. 2' COMBINED CONCRETE CURB & GUTTER. (SEE DETAIL SHEETS)
26. PER GENERATOR SPECIFICATIONS. (SEE MEP PLANS)
27. FLAG POLE. INSTALL PER MANUFACTURES SPECIFICATIONS AND STANDARDS. 30' CENTER POLE AND 25' SIDE POLES.
28. POLE LIGHT FIXTURE (SEE MEP PLANS)
29. PARKING BUMPER (SEE DETAIL SHEETS)
30. 12' WIDE DOUBLE SWING CHAIN LINK GATES. GATES TO SWING 180° AND 8' PVC COATED CHAIN LINK FENCE ALONG N & W SIDES OF LIFT STATION PAD.
31. ADD HEAVY DUTY ASPHALT UP TO LIFT STATION CONCRETE PAD
32. EXISTING AIR RELEASE VALVE TO BE PROTECTED
33. EXISTING FIRE HYDRANT TO BE PROTECTED
34. 6' WIDE PEDESTRIAN GATE PER MANUFACTURER'S SPECIFICATIONS
35. MASONRY SCREEN WALL. (SEE LANDSCAPE - ARCHITECTURAL PLANS)
36. LIGHTED BOLLARDS. (SEE MEP PLANS)
37. PROVIDE 2 BICYCLE RACKS. (SEE LA PLANS)
38. 10' WIDE ASPHALT MULTI-USE PATH. (SEE MCCORDSVILLE STANDARD DETAIL SHEET 2)
39. CURB TO DROP 6" (FLUSH WITH ROAD PAVEMENT) TO ACCOMMODATE FUTURE CROSS WALK. RAMPS NOT TO BE CONSTRUCTED NOW.
40. 3' WIDE FLUSH CURB FOR GATE CONSTRUCTION.
41. MAN GATE, SECURED ELECTRIC GATE OPERATOR. (SEE SPECIFICATIONS)

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

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TOWN OF McCORDSVILLE

McCORDSVILLE POLICE STATION

7520 CIVIC DRIVE, MCCORDSVILLE, IN 46055

#	Revision	Date

Project #: 717000.1

Designed By: MM

Drawn By: SO

Checked By: KC

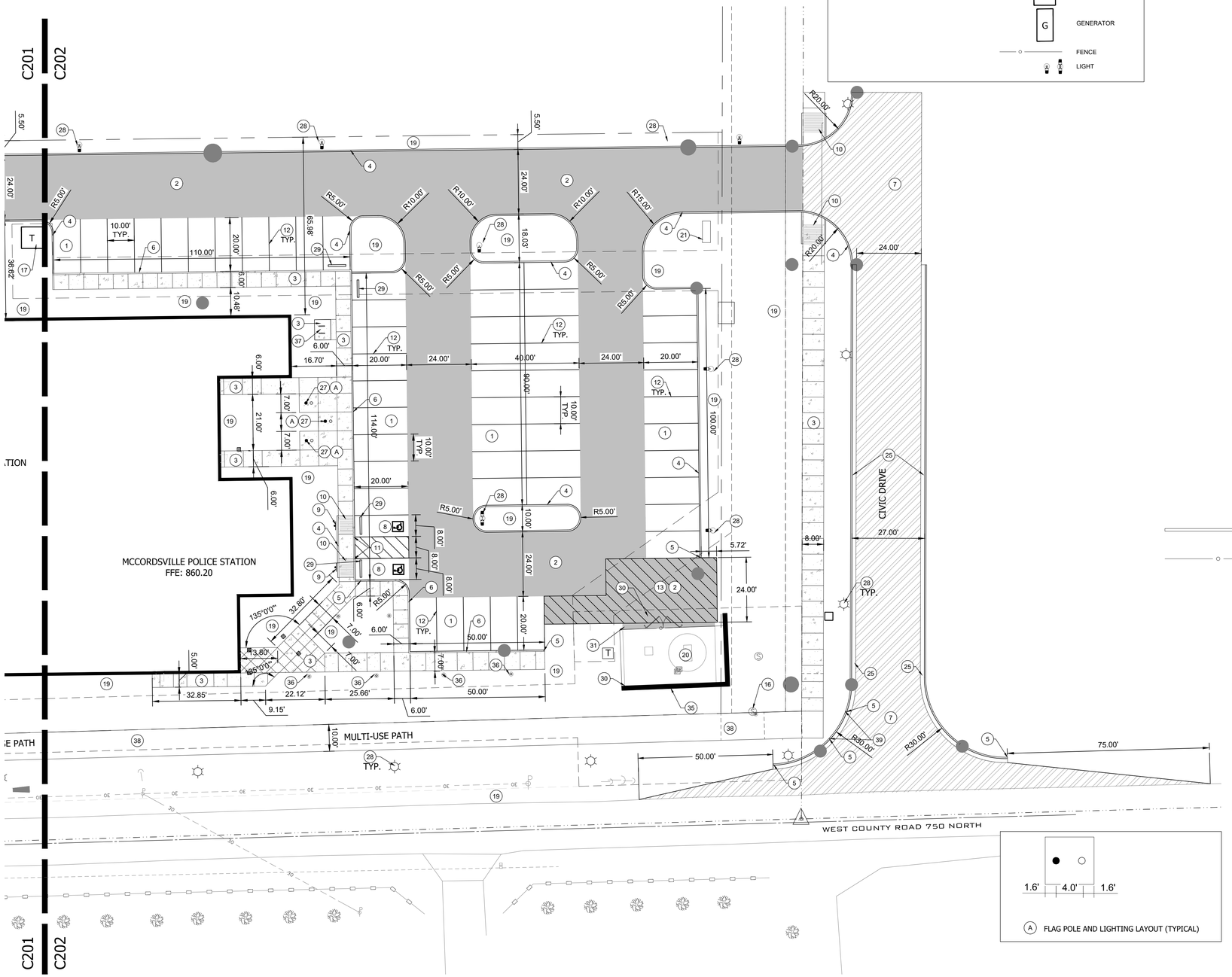
Date: 04/21/23

NOT FOR CONSTRUCTION

N

SITE PLAN

C201



EXISTING KEYNOTE LEGEND

- EXISTING POWER POLE
- EXISTING GUY WIRES
- EXISTING SANITARY MANHOLE
- EXISTING OVERHEAD ELECTRIC
- PROPERTY LINE

KEYNOTE LEGEND

- OIL & GREASE TRAP
- SANITARY MANHOLE
- STORM STRUCTURE
- STORM STRUCTURE FLARED END SECTION
- TRANSFORMER
- GENERATOR
- FENCE
- LIGHT

A FLAG POLE AND LIGHTING LAYOUT (TYPICAL)

0 20' 40'

SCALE: 1" = 20'

GENERAL SITE NOTES

1. THE CONTRACTOR SHALL ENSURE THAT ALL NECESSARY PERMITS AND APPROVALS HAVE BEEN OBTAINED FROM AGENCIES HAVING JURISDICTION OVER THE WORK PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL OBTAIN AND PAY THE COST OF ALL PERMITS THAT HAVE NOT BEEN SECURED BY THE OWNER.
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TOWN OF McCORDSVILLE

McCORDSVILLE POLICE STATION

7520 CIVIC DRIVE, MCCORDSVILLE, IN 46055

#	Revision	Date

Project #: 717000.1

Designed By: MM

Drawn By: SO

Checked By: KC

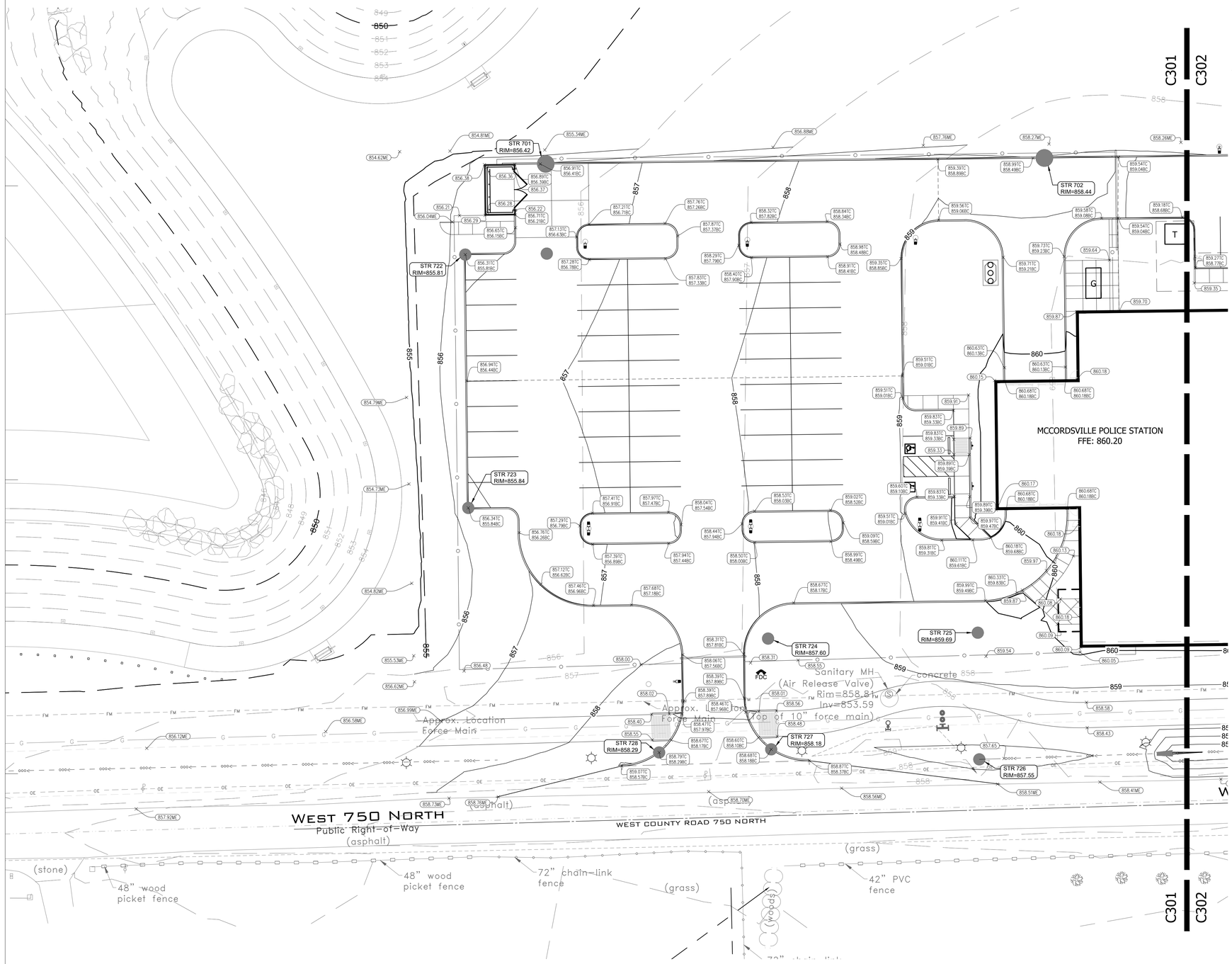
Date: 04/21/23

NOT FOR CONSTRUCTION

N

SITE PLAN

C202



0 20' 40'

SCALE: 1" = 20'

GRADING NOTES

1. TOPSOIL SHALL BE STRIPPED FROM ALL AREAS TO RECEIVE PAVING AND FROM WITHIN THE LIMITS OF PROPOSED BUILDINGS AND STRUCTURES. TOPSOIL SHALL BE STRIPPED TO THE DEPTH SHOWN IN THE GEOTECHNICAL REPORT, OR TO A DEPTH OF 6 INCHES, WHICHEVER IS GREATER.
2. TOPSOILSHALL BE PLACED TO A DEPTH OF 4 TO 6 INCHES IN ALL AREAS TO BE SEEDED OR SODDED PER THE SPECIFICATIONS.
3. EXCESS TOPSOIL MAY BE PLACED IN MOUNDING AREAS AND NONSTRUCTURAL FILL AREAS AS AVAILABLE.
4. ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE SEEDED OR SODDED UNLESS OTHERWISE SHOWN.
5. FINAL GRADES AT THE PROJECT BOUNDARY SHALL MATCH EXISTING ELEVATIONS UNLESS OTHERWISE SHOWN.
6. THE CONTRACTOR SHALL PERFORM AN EARTHWORK QUANTITY ANALYSIS PRIOR TO COMMENCING CONSTRUCTION TO CONFIRM SUCH QUANTITIES WITH THE ENGINEER. ADJUSTMENTS TO PROPOSED FINISH GRADES BASED UPON THE EARTHWORK QUANTITY ANALYSIS SHALL BE APPROVED BY THE ENGINEER.

GRADING PLAN LEGEND

LINE TYPE / SYMBOL	DESCRIPTION	LINE TYPE / SYMBOL	DESCRIPTION
772.40ME	MATCH EXISTING		SWALE
772.40	PAVEMENT SPOT GRADE		POND BOTTOM
772.40 LA	LAWN SPOT GRADE		POND CONTOUR
HP 772.40	GROUND SPOT GRADE HIGH POINT		POND NORMAL POOL
772.40 FL	FLOW LINE SPOT GRADE	F.F.E.	FINISHED FLOOR ELEVATION
772.40 TW	TOP OF WALL SPOT GRADE	H.Pt.	HIGH POINT
772.40 BW	BOTTOM OF WALL SPOT GRADE	L.Pt.	LOW POINT
771.20 T.C. 770.70 B.C.	TOP OF CURB AND BOTTOM OF CURB	801	INTERMEDIATE CONTOUR
HP 771.20 T.C. 770.70 B.C.	TOP OF CURB AND BOTTOM OF CURB HIGH POINT	800	INDEX CONTOUR
771.20 T.C. ME 770.70 B.C. ME	TOP OF CURB AND BOTTOM OF CURB MATCH EXISTING		GRADE BREAK
1.00%	FLOW DIRECTION w/GRADE		EXISTING INTERMEDIATE CONTOUR
3:1	H:V RATIO GRADE		EXISTING INDEX CONTOUR
INV.=800.50	PIPE INVERT ELEVATION		
FR	FLOOD ROUTE		

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Drawn By: SO

Checked By: KC

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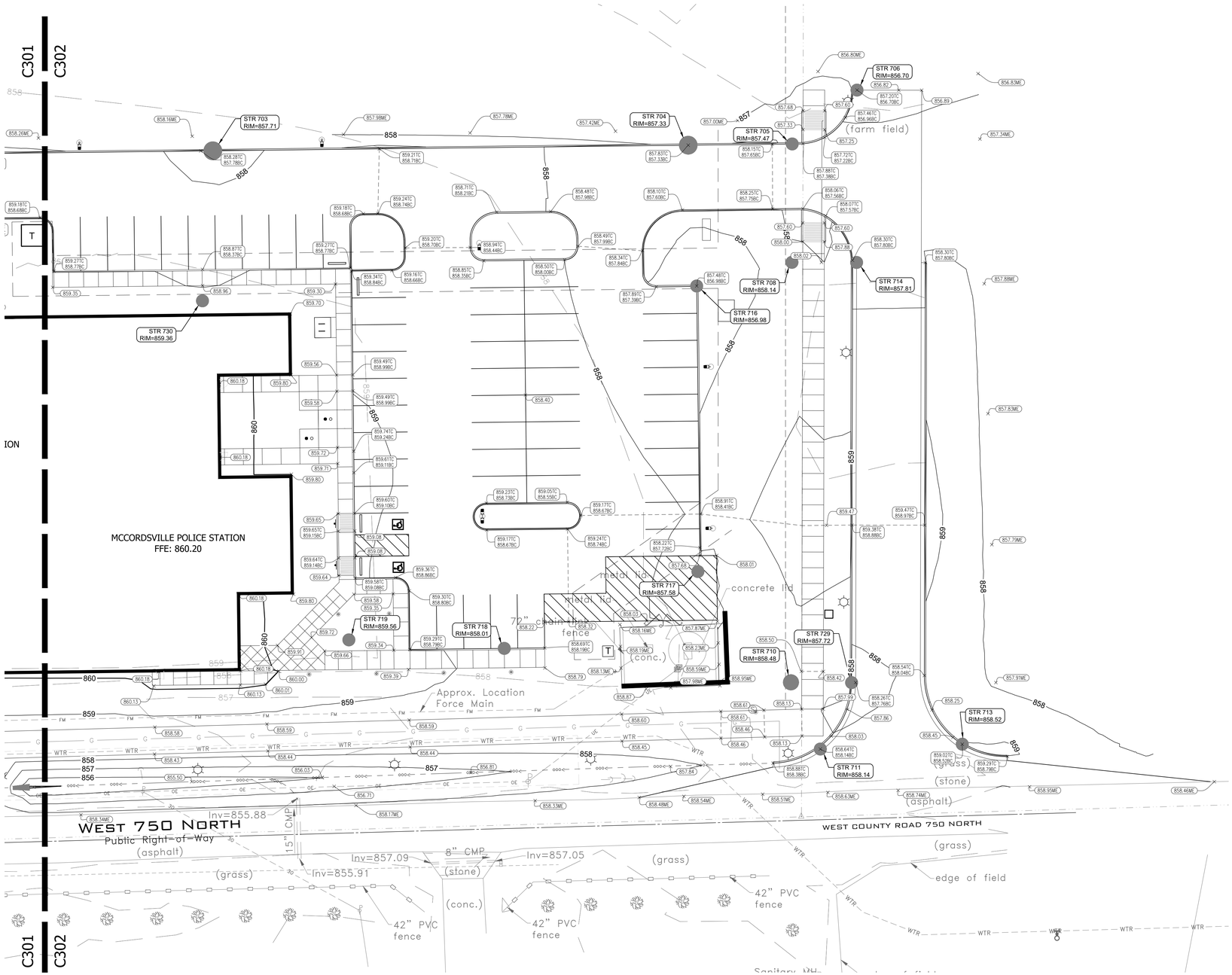
GRADING PLAN

C301



0 20' 40'

SCALE: 1" = 20'

GRADING NOTES

1. TOPSOIL SHALL BE STRIPPED FROM ALL AREAS TO RECEIVE PAVING AND FROM WITHIN THE LIMITS OF PROPOSED BUILDINGS AND STRUCTURES. TOPSOIL SHALL BE STRIPPED TO THE DEPTH SHOWN IN THE GEOTECHNICAL REPORT, OR TO A DEPTH OF 6 INCHES, WHICHEVER IS GREATER.
2. TOPSOILSHALL BE PLACED TO A DEPTH OF 4 TO 6 INCHES IN ALL AREAS TO BE SEEDED OR SODDED PER THE SPECIFICATIONS.
3. EXCESS TOPSOIL MAY BE PLACED IN MOUNDING AREAS AND NONSTRUCTURAL FILL AREAS AS AVAILABLE.
4. ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE SEEDED OR SODDED UNLESS OTHERWISE SHOWN.
5. FINAL GRADES AT THE PROJECT BOUNDARY SHALL MATCH EXISTING ELEVATIONS UNLESS OTHERWISE SHOWN.
6. THE CONTRACTOR SHALL PERFORM AN EARTHWORK QUANTITY ANALYSIS PRIOR TO COMMENCING CONSTRUCTION TO CONFIRM SUCH QUANTITIES WITH THE ENGINEER. ADJUSTMENTS TO PROPOSED FINISH GRADES BASED UPON THE EARTHWORK QUANTITY ANALYSIS SHALL BE APPROVED BY THE ENGINEER.

GRADING PLAN LEGEND

LINE TYPE / SYMBOL	DESCRIPTION	LINE TYPE / SYMBOL	DESCRIPTION
772.40ME	MATCH EXISTING		SWALE
772.40	PAVEMENT SPOT GRADE		POND BOTTOM
772.40 LA	LAWN SPOT GRADE		POND CONTOUR
HP 772.40	GROUND SPOT GRADE HIGH POINT		POND NORMAL POOL
772.40 FL	FLOW LINE SPOT GRADE	F.F.E.	FINISHED FLOOR ELEVATION
772.40 TW	TOP OF WALL SPOT GRADE	H.Pt.	HIGH POINT
772.40 BW	BOTTOM OF WALL SPOT GRADE	L.Pt.	LOW POINT
771.20 T.C. 770.70 B.C.	TOP OF CURB AND BOTTOM OF CURB	801	INTERMEDIATE CONTOUR
HP 771.20 T.C. 770.70 B.C.	TOP OF CURB AND BOTTOM OF CURB HIGH POINT	800	INDEX CONTOUR
771.20 T.C. ME 770.70 B.C. ME	TOP OF CURB AND BOTTOM OF CURB MATCH EXISTING		GRADE BREAK
1.00%	FLOW DIRECTION w/GRADE		EXISTING INTERMEDIATE CONTOUR
3:1	H:V RATIO GRADE		EXISTING INDEX CONTOUR
INV.=800.50	PIPE INVERT ELEVATION		
FR	FLOOD ROUTE		

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TOWN OF McCORDSVILLE

McCORDSVILLE POLICE STATION

7520 CIVIC DRIVE, MCCORDSVILLE, IN 46055

#	Revision	Date

Project #: 717000.1
Designed By: MM
Drawn By: SO
Checked By: KC
Date: 04/21/23

NOT FOR CONSTRUCTION

N

GRADING PLAN

C302

EROSION CONTROL NOTES

1. THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE DRAWINGS ARE CONSIDERED THE MINIMUM PRACTICES NECESSARY FOR COMPLIANCE WITH THE NPDES GENERAL PERMIT FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY AS IDENTIFIED UNDER SECTION 327-IAC-15-2 OF THE INDIANA ADMINISTRATIVE CODE. HOWEVER, SITE CONDITIONS, CONSTRUCTION METHODS, SEQUENCING OF WORK AND GENERAL PRACTICE MAY WARRANT VARIATION AND/OR ADDITIONS TO THE QUANTITIES AND LOCATIONS OF MEASURES AS SHOWN.
2. UNLESS OTHERWISE SHOWN, TEMPORARY CONTROL MEASURES SHALL BE REMOVED UPON SATISFACTORY ESTABLISHMENT OF PERMANENT VEGETATION.
3. SEE SHEET C404 FOR DETAILS AND SPECIFICATIONS REFERENCED ON THIS SHEET.
4. PERIMETER CONTROL MEASURES (I.E. SILT FENCE, DIVERSION DITCHES, TREE PROTECTION FENCING) SHALL BE INSTALLED PRIOR TO COMMENCING EARTHWORK ACTIVITIES.
5. IN ADDITION TO THE MAINTENANCE REQUIREMENTS IDENTIFIED FOR INDIVIDUAL MEASURES, ALL EROSION CONTROL MEASURES INSTALLED UNDER THIS PROJECT SHALL BE INSPECTED WEEKLY TO ENSURE THEY ARE FUNCTIONING PROPERLY. MEASURES FOUND TO BE DEFICIENT SHALL BE REPAIRED OR REPLACED IMMEDIATELY THEREAFTER.
6. THE CONTRACTOR SHALL MAINTAIN A STABLE CONSTRUCTION ENTRANCE AT ALL TIMES AND SHALL MAKE EFFORTS TO MINIMIZE THE ACCUMULATION OF SOIL, MUD AND DEBRIS ON ADJOINING ROADWAYS.
7. SYMBOLS FOR INLET PROTECTION MEASURES AND DITCH CHECKS ARE SHOWN LARGER THAN ACTUAL SIZE.
8. STABILIZATION MUST BE INITIATED BY THE END OF THE SEVENTH DAY THE AREA IS LEFT IDLE. THE STABILIZATION ACTIVITY MUST BE COMPLETED WITHIN FOURTEEN (14) DAYS AFTER INITIATION.
9. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED BY THE INSPECTOR.
10. PORTABLE TOILETS SHALL BE ANCHORED TO THE GROUND TO PREVENT TIPPING AND SPILLS.
11. TWENTY-FOUR (24) HOURS PRIOR TO A QUALIFYING PRECIPITATION EVENT OR BY THE END OF THE NEXT BUSINESS DAY FOLLOWING EACH MEASURABLE STORM EVENT (EXCLUDES ACCUMULATED SNOW EVENTS); WHICH IS DEFINED AS A PRECIPITATION ACCUMULATION EQUAL TO, OR GREATER THAN, ONE-HALF (0.50) INCH OF RAINFALL WITHIN A 24-HOUR PERIOD. IF NO RAIN EVENT OCCURS WITHIN THE WORK WEEK A MINIMUM OF ONE INSPECTION MUST OCCUR. IN THE EVENT OF MULTIPLE QUALIFYING EVENTS DURING THE WORK WEEK, NO MORE THAN THREE (3) INSPECTIONS WOULD BE REQUIRED TO MEET THE SELF-MONITORING COMMITMENT.

PRE-CONSTRUCTION SEQUENCING NOTES

1. EARTH MOVING ACTIVITIES MAY NOT BEGIN UNTIL AFTER ITEMS 2-4 HAVE BEEN COMPLETED.
2. DESIGNATE THE PERSON RESPONSIBLE FOR COMPLYING WITH THE ON-SITE SWPPP. COORDINATE RESPONSIBILITY FOR COMPLETING THE SITE REVIEW AFTER EACH ½" RAINFALL AND A MINIMUM OF ONE TIME A WEEK. NO MORE THAN THREE (3) REPORTS AREA REQUIRED IN A SINGLE WEEK.
3. POST THE CONTACT INFORMATION AT THE CONSTRUCTION ENTRANCE AS SHOWN ON THE PLANS. INCLUDE A COPY OF THE FISHERS STORM DRAINAGE APPROVAL AND THE CONTACT INFORMATION FOR THE PERSON RESPONSIBLE FOR IMPLEMENTING THE SWPPP.
4. INSTALL SILT FENCE,CONSTRUCTION ENTRANCE, INLET PROTECTION AND CONCRETE WASHOUT AS SHOWN ON THE PLANS.
5. INSTALL PORT-A-LET, AND COVERED CONSTRUCTION DUMPSTER.
6. PERFORM REQUIRED SITE DEMOLITION AND CLEARING.
7. STRIP TOPSOIL AND STORE AS SHOWN ON C401.
8. PERFORM MASS GRADING FOLLOWED BY UTILITY INSTALLATION. MAINTAIN STORM INLET PROTECTION UNTIL SITE IS STABILIZED AND EROSION WILL NOT LIKELY OCCUR.
9. MAINTAIN ALL INLET PROTECTION, AND SILT FENCING ON THE SITE PROJECT BY CLEANING OUT EVERY WEEK AND AFTER EVERY RAIN EVENT OF 1/2" OR GREATER DEPTH.
10. IF WORK ON SITE WILL STOP FOR 2 WEEKS OR MORE AFTER COMPLETION OF MASS GRADING, INSTALL TEMPORARY SEED AS INDICATED ON THIS SHEET AND SHEET C404.
11. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES MAY BE REQUIRED BY THE INSPECTOR.

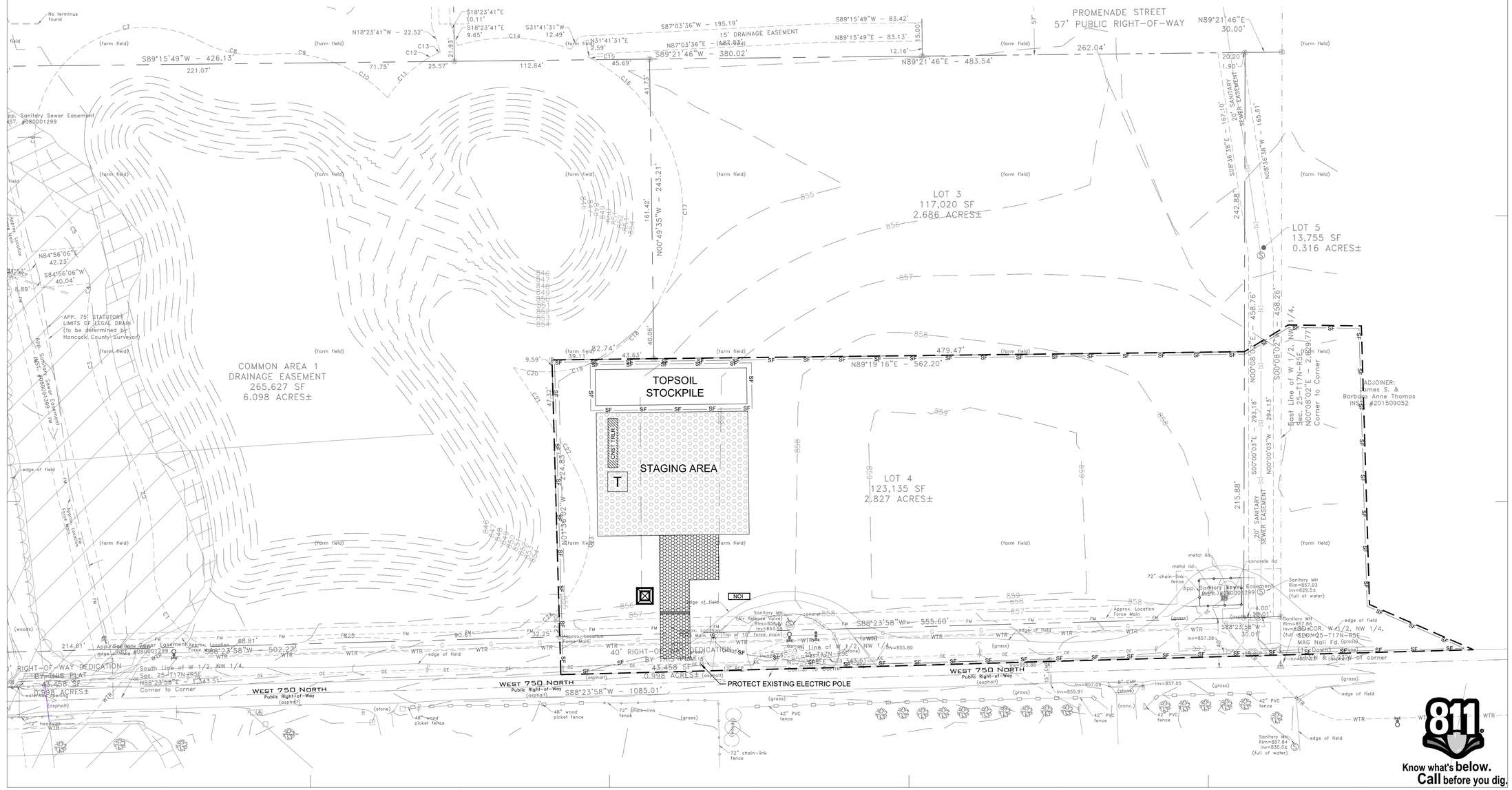
THERE SHALL BE NO DIRT, DEBRIS, OR STORAGE OF MATERIAL IN THE STREET

ADJACENT ROADS MUST BE SWEPT DAILY

EROSION CONTROL LEGEND

LINE TYPE / SYMBOL	DESCRIPTION	LINE TYPE / SYMBOL	DESCRIPTION
▦	TEMPORARY CONSTRUCTION ENTRANCE 6 INCHES OF 2"-3" COARSE AGGREGATE (20'W x 50'L) Minimum	—— SF ——	SILT FENCE
▬	DIVERSION BERM	— — — —	GRADING LIMITS
▦	STONE AGGREGATE SUBBASE TO BE INSTALLED AS SOON AS PAVEMENT SUBGRADES ARE BROUGHT TO GRADE AND COMPACTED.	☒	CONCRETE WASHOUT
		NOI	NOI PUBLIC NOTICE/PERMITS
		CNST TRLR	CONSTRUCTION TRAILER
		T	PORTABLE TOILETS

0 20' 40'
SCALE: 1" = 40'



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TOWN OF McCORDSVILLE
McCORDSVILLE POLICE STATION
7520 CIVIC DRIVE, MCCORDSVILLE, IN 46055

#	Revision	Date

Project #: 717000.1
Designed By: MM
Drawn By: SO
Checked By: KC
Date: 04/21/23

NOT FOR CONSTRUCTION

SWPPP PLAN
(INITIAL)

C401

EROSION CONTROL NOTES

1. THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE DRAWINGS ARE CONSIDERED THE MINIMUM PRACTICES NECESSARY FOR COMPLIANCE WITH THE NPDES GENERAL PERMIT FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY AS IDENTIFIED UNDER SECTION 327-IAC-15-2 OF THE INDIANA ADMINISTRATIVE CODE. HOWEVER, SITE CONDITIONS, CONSTRUCTION METHODS, SEQUENCING OF WORK AND GENERAL PRACTICE MAY WARRANT VARIATION AND/OR ADDITIONS TO THE QUANTITIES AND LOCATIONS OF MEASURES AS SHOWN.
2. UNLESS OTHERWISE SHOWN, TEMPORARY CONTROL MEASURES SHALL BE REMOVED UPON SATISFACTORY ESTABLISHMENT OF PERMANENT VEGETATION.
3. SEE SHEET C403 FOR DETAILS AND SPECIFICATIONS REFERENCED ON THIS SHEET.
4. PERIMETER CONTROL MEASURES (I.E. SILT FENCE, DIVERSION DITCHES, TREE PROTECTION FENCING) SHALL BE INSTALLED PRIOR TO COMMENCING EARTHWORK ACTIVITIES.
5. IN ADDITION TO THE MAINTENANCE REQUIREMENTS IDENTIFIED FOR INDIVIDUAL MEASURES, ALL EROSION CONTROL MEASURES INSTALLED UNDER THIS PROJECT SHALL BE INSPECTED WEEKLY TO ENSURE THEY ARE FUNCTIONING PROPERLY. MEASURES FOUND TO BE DEFICIENT SHALL BE REPAIRED OR REPLACED IMMEDIATELY THEREAFTER.
6. THE CONTRACTOR SHALL MAINTAIN A STABLE CONSTRUCTION ENTRANCE AT ALL TIMES AND SHALL MAKE EFFORTS TO MINIMIZE THE ACCUMULATION OF SOIL, MUD AND DEBRIS ON ADJOINING ROADWAYS.
7. SYMBOLS FOR INLET PROTECTION MEASURES AND DITCH CHECKS ARE SHOWN LARGER THAN ACTUAL SIZE.
8. STABILIZATION MUST BE INITIATED BY THE END OF THE SEVENTH DAY THE AREA IS LEFT IDLE. THE STABILIZATION ACTIVITY MUST BE COMPLETED WITHIN FOURTEEN (14) DAYS AFTER INITIATION.
9. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED BY THE INSPECTOR.
10. PORTABLE TOILETS SHALL BE ANCHORED TO THE GROUND TO PREVENT TIPPING AND SPILLS.
11. TWENTY-FOUR (24) HOURS PRIOR TO A QUALIFYING PRECIPITATION EVENT OR BY THE END OF THE NEXT BUSINESS DAY FOLLOWING EACH MEASURABLE STORM EVENT (EXCLUDES ACCUMULATED SNOW EVENTS), WHICH IS DEFINED AS A PRECIPITATION ACCUMULATION EQUAL TO, OR GREATER THAN, ONE-HALF (0.50) INCH OF RAINFALL WITHIN A 24-HOUR PERIOD. IF NO RAIN EVENT OCCURS WITHIN THE WORK WEEK A MINIMUM OF ONE INSPECTION MUST OCCUR. IN THE EVENT OF MULTIPLE QUALIFYING EVENTS DURING THE WORK WEEK, NO MORE THAN THREE (3) INSPECTIONS WOULD BE REQUIRED TO MEET THE SELF-MONITORING COMMITMENT.

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3. POST THE CONTACT INFORMATION AT THE CONSTRUCTION ENTRANCE AS SHOWN ON THE PLANS. INCLUDE A COPY OF THE FISHERS STORM DRAINAGE APPROVAL AND THE CONTACT INFORMATION FOR THE PERSON RESPONSIBLE FOR IMPLEMENTING THE SWPPP.
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10. IF WORK ON SITE WILL STOP FOR 2 WEEKS OR MORE AFTER COMPLETION OF MASS GRADING, INSTALL TEMPORARY SEED AS INDICATED ON THIS SHEET AND SHEET C404.
11. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES MAY BE REQUIRED BY THE INSPECTOR.

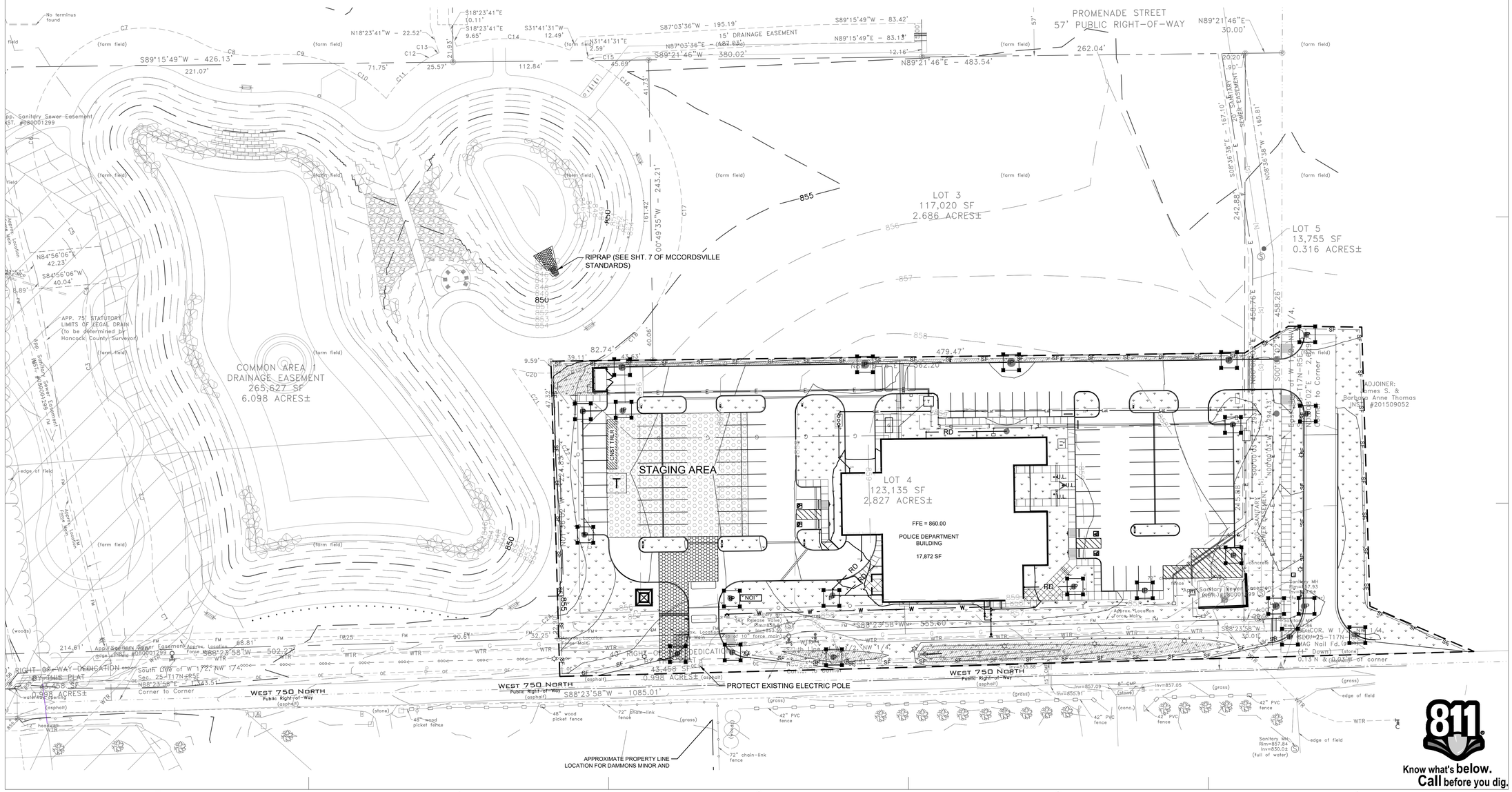
THERE SHALL BE NO DIRT, DEBRIS, OR STORAGE OF MATERIAL IN THE STREET

ADJACENT ROADS MUST BE SWEPT DAILY

EROSION CONTROL LEGEND

LINE TYPE / SYMBOL	DESCRIPTION	LINE TYPE / SYMBOL	DESCRIPTION
	TEMPORARY CONSTRUCTION ENTRANCE 6 INCHES OF 2"-3" COARSE AGGREGATE (20'W x 50'L) Minimum	SF	SILT FENCE
	DIVERSION BERM		GRADING LIMITS
	STONE AGGREGATE SUBBASE TO BE INSTALLED AS SOON AS PAVEMENT SUBGRADES ARE BROUGHT TO GRADE AND COMPACTED.	IP	TEMPORARY INLE PROTECTION
	TEMPORARY SEED AND STRAW MULCH AND/OR EROSION CONTROL BLANKET DEPENDING ON SEASON AND CONSTRUCTION REQUIREMENTS. SEE EROSION PLAN C404 FOR PERMANENT SEED MIX SPECIFICATIONS.	NOI	NOI PUBLIC NOTICE POSTING.
	NORTH AMERICAN GREEN SC150 BN REINFORCEMENT MAT OVER PERMANENT SEED. SEE EROSION PLAN C404 FOR SEED MIX SPECIFICATIONS.	T	PORTABLE TOILETS
		CNST TRLR	CONSTRUCTION TRAILER
			RIPRAP (SEE SHT. 7 OF MCCORDSVILLE STANDARDS)
			CONCRETE WASHOUT

0 20' 40'
SCALE: 1" = 40'



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TOWN OF McCORDSVILLE

McCORDSVILLE POLICE STATION

7520 CIVIC DRIVE, MCCORDSVILLE, IN 46055

#	Revision	Date

Project #: 717000.1
Designed By: MM
Drawn By: SO
Checked By: KC
Date: 04/21/23

NOT FOR CONSTRUCTION

N

SWPPP PLAN (CONST)

C402

EROSION CONTROL NOTES

1. THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE DRAWINGS ARE CONSIDERED THE MINIMUM PRACTICES NECESSARY FOR COMPLIANCE WITH THE NPDES GENERAL PERMIT FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY AS IDENTIFIED UNDER SECTION 327-IAC-15-2 OF THE INDIANA ADMINISTRATIVE CODE. HOWEVER, SITE CONDITIONS, CONSTRUCTION METHODS, SEQUENCING OF WORK AND GENERAL PRACTICE MAY WARRANT VARIATION AND/OR ADDITIONS TO THE QUANTITIES AND LOCATIONS OF MEASURES AS SHOWN.
2. UNLESS OTHERWISE SHOWN, TEMPORARY CONTROL MEASURES SHALL BE REMOVED UPON SATISFACTORY ESTABLISHMENT OF PERMANENT VEGETATION.
3. SEE SHEET C404 FOR DETAILS AND SPECIFICATIONS REFERENCED ON THIS SHEET.
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5. IN ADDITION TO THE MAINTENANCE REQUIREMENTS IDENTIFIED FOR INDIVIDUAL MEASURES, ALL EROSION CONTROL MEASURES INSTALLED UNDER THIS PROJECT SHALL BE INSPECTED WEEKLY TO ENSURE THEY ARE FUNCTIONING PROPERLY. MEASURES FOUND TO BE DEFICIENT SHALL BE REPAIRED OR REPLACED IMMEDIATELY THEREAFTER.
6. THE CONTRACTOR SHALL MAINTAIN A STABLE CONSTRUCTION ENTRANCE AT ALL TIMES AND SHALL MAKE EFFORTS TO MINIMIZE THE ACCUMULATION OF SOIL, MUD AND DEBRIS ON ADJOINING ROADWAYS.
7. SYMBOLS FOR INLET PROTECTION MEASURES AND DITCH CHECKS ARE SHOWN LARGER THAN ACTUAL SIZE.
8. STABILIZATION MUST BE INITIATED BY THE END OF THE SEVENTH DAY THE AREA IS LEFT IDLE. THE STABILIZATION ACTIVITY MUST BE COMPLETED WITHIN FOURTEEN (14) DAYS AFTER INITIATION.
9. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED BY THE INSPECTOR.
10. PORTABLE TOILETS SHALL BE ANCHORED TO THE GROUND TO PREVENT TIPPING AND SPILLS.
11. TWENTY-FOUR (24) HOURS PRIOR TO A QUALIFYING PRECIPITATION EVENT OR BY THE END OF THE NEXT BUSINESS DAY FOLLOWING EACH MEASURABLE STORM EVENT (EXCLUDES ACCUMULATED SNOW EVENTS); WHICH IS DEFINED AS A PRECIPITATION ACCUMULATION EQUAL TO, OR GREATER THAN, ONE-HALF (0.50) INCH OF RAINFALL WITHIN A 24-HOUR PERIOD. IF NO RAIN EVENT OCCURS WITHIN THE WORK WEEK A MINIMUM OF ONE INSPECTION MUST OCCUR. IN THE EVENT OF MULTIPLE QUALIFYING EVENTS DURING THE WORK WEEK, NO MORE THAN THREE (3) INSPECTIONS WOULD BE REQUIRED TO MEET THE SELF-MONITORING COMMITMENT.

CONSTRUCTION & POST CONSTRUCTION SEQUENCING NOTES

1. REPAIR OR REPLACE ALL EXISTING SILT FENCE, CHECK DAMS OR INLET PROTECTION DAMAGED DURING EARTHWORK OR CONSTRUCTION ACTIVITIES.
2. DESIGNATE THE PERSON RESPONSIBLE FOR COMPLYING WITH THE ON-SITE SWPPP INSPECTIONS UNTIL ALL DISTURBED AREAS ON SITE SITE HAVE REACHED 70 PERCENT VEGETATIVE COVER DENSITY.
3. IF WORK OR CONSTRUCTION HAS STOPPED FOR 7 DAYS OR MORE BEFORE PERMANENT SEED IS APPLIED, INSTALL TEMPORARY SEED AND MULCH AS DESCRIBED ON SHEET C403. COORDINATE RESPONSIBILITY FOR COMPLETING THE SITE REVIEW AFTER EACH ½" RAINFALL AND A MINIMUM OF ONE TIME A WEEK. NO MORE THAN THREE (3) REPORTS AREA REQUIRED IN A SINGLE WEEK.
4. FOR ALL PHASES, COMPLETE MASS GRADING AND EXCAVATION. INSTALL ALL UTILITIES AS INDICATED. HAUL ALL EXCESS EXCAVATION SPOILS OFFSITE.
5. THIS SITE DRAINS TO AN OFFSITE MASTER PLANNED DETENTION SYSTEM. DETENTION POND DEPTH SHALL BE MEASURED AT THE START OF CONSTRUCTION THEN CHECKED AGAIN PRIOR TO FINAL PUNCH LIST. ALL AREAS OF THE DETENTION BASIN WITH A 4" OR GREATER POND DEPTH LOSS SHALL BE EXCAVATED TO DEPTH MATCHING PRE-CONSTRUCTION CONDITIONS. EXCAVATED MATERIAL SHALL BE REMOVED OFFSITE TO SITE APPROVED BY THE STATE OF INDIANA.
6. COMPLETE FILL, BACKFILL, AND ROUGH GRADING REQUIRED TO RETURN ALL AREAS WITHIN CONSTRUCTION ZONE TO SUBGRADE GRADE ELEVATION INDICATED ON PLANS. ALL FILL MATERIAL UNDER PAVEMENT OR BUILDINGS SHALL BE APPROVED BY ON-SITE GEOTECHNICAL ENGINEER.
7. PREPARE ALL PAVEMENT SUBGRADES PER PLANS AND SPECIFICATIONS.
8. MAINTAIN ALL INLET PROTECTION, CHECK DAMS AND SILT FENCING IN THE SITE PROJECT BY CLEANING OUT EVERY WEEK AND AFTER EVERY RAIN EVENT OF 1/2" OR GREATER DEPTH.
9. PERFORM FINAL GRADING AND SEEDBED PREPARATION.
10. PLACE PERMANENT SEEDING AND MULCH OR EROSION CONTROL BLANKET WITHIN 30 HOURS OF SEEDBED PREPARATION. INSTALL EROSION CONTROL BLANKETS INDICATED ON PLANS.
11. FINAL STABILIZATION IS CONSIDERED COMPLETE WHEN ALL LAND DISTURBING ACTIVITIES HAVE BEEN COMPLETED AND A UNIFORM VEGETATED SURFACE WITH 70% DENSITY IS ACHIEVED ON ALL DISTURBED/DENUDED AREAS AND AREAS NOT HAVING A PERMANENT STRUCTURE. THE CONTRACTOR SHALL OVER-SEED AS REQUIRED TO OBTAIN 70 PERCENT VEGETATIVE DENSITY IF REQUIRED.
12. AFTER SITE HAS REACHED 70% VEGETATIVE COVER, CONTRACTOR SHALL REMOVE REMAINING TEMPORARY BMP STRUCTURES AND REPAIR AND RE-SEED ANY DISTURBED AREAS AS REQUIRED.
13. ONCE THE CONSTRUCTION ACTIVITY IS COMPLETED (BY PERMIT LANGUAGE, WHEN FINAL STABILIZATION HAS OCCURRED), A COMPLETED STORMWATER GENERAL PERMIT NOTICE OF TERMINATION (NOT) MUST BE SUBMITTED TO IDEM.

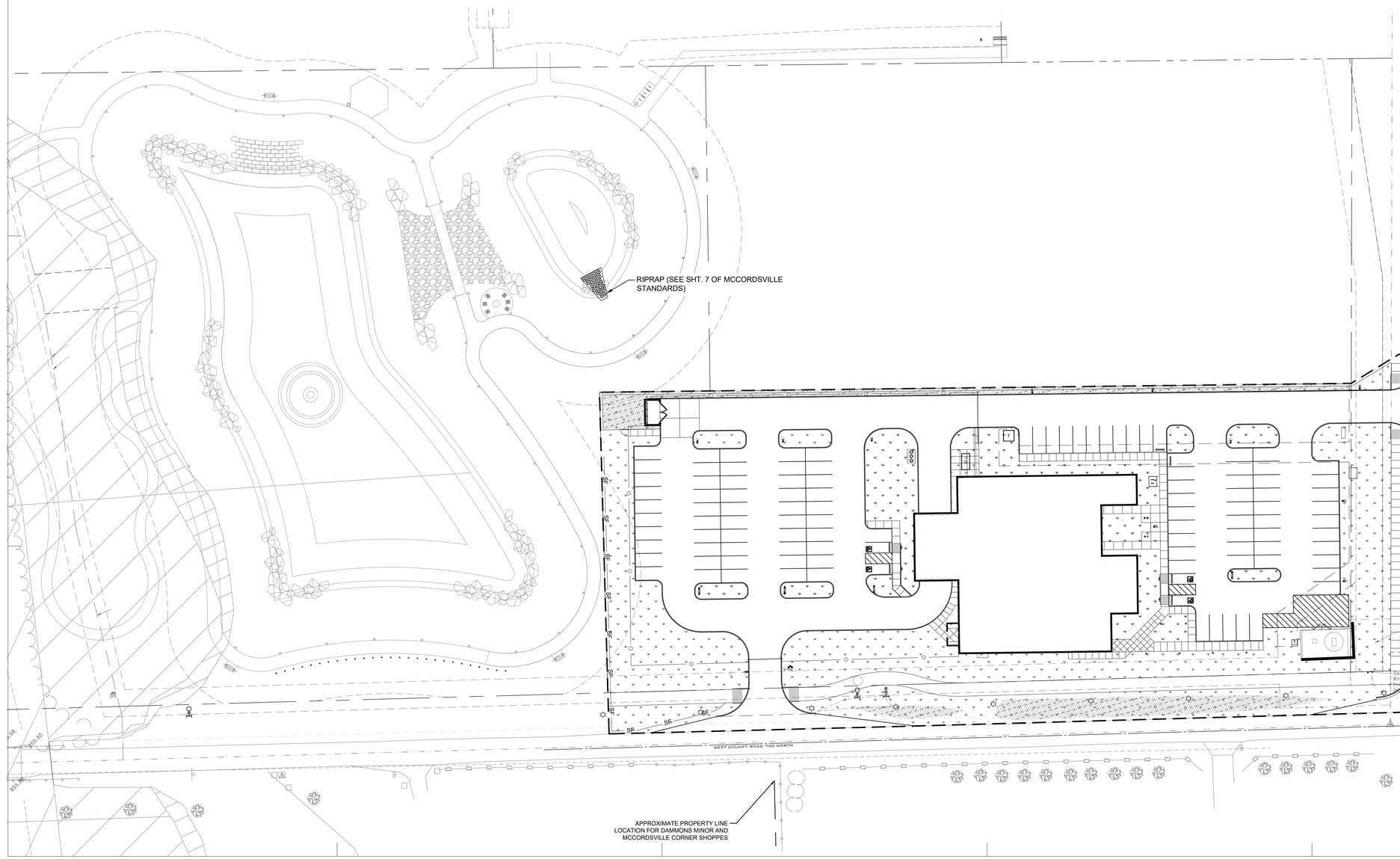
EROSION CONTROL LEGEND

LINE TYPE / SYMBOL	DESCRIPTION	LINE TYPE / SYMBOL	DESCRIPTION
	PERMANENT SEED AND STRAW MULCH AND/OR EROSION CONTROL BLANKET DEPENDING ON SEASON AND CONSTRUCTION REQUIREMENTS. SEE EROSION PLAN C404 FOR PERMANENT SEED MIX SPECIFICATIONS.		RIPRAP (SEE SHT. 7 OF MCCORDSVILLE STANDARDS)
	NORTH AMERICAN GREEN SC150 BN REINFORCEMENT MAT OVER PERMANENT SEED. SEE EROSION PLAN C404 FOR SEED MIX SPECIFICATIONS.		

THERE SHALL BE NO DIRT, DEBRIS, OR STORAGE OF MATERIAL IN THE STREET

ADJACENT ROADS MUST BE SWEPT DAILY

0 20' 40'
SCALE: 1" = 40'



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95% CD SET - Not For Construction

TOWN OF McCORDSVILLE

McCORDSVILLE POLICE STATION

7520 CIVIC DRIVE, McCORDSVILLE, IN 46055

#	Revision	Date

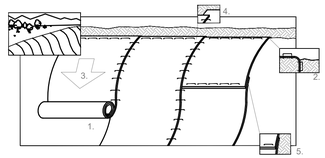
Project #: 717000.1
Designed By: MM
Drawn By: SO
Checked By: KC
Date: 04/21/23

NOT FOR CONSTRUCTION

N

SWPPP PLAN (FINAL)

C403

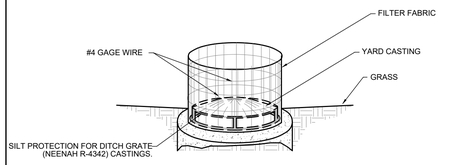


1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF LIME, FERTILIZER, AND SEED. NOTE: WHEN USING CELL-O-SEED, DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
3. ROLL THE BLANKETS DOWN THE SLOPE IN THE DIRECTION OF THE WATER FLOW.
4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2" OVERLAP.
5. WHEN BLANKETS MUST BE SPLICED DOWN THE SLOPE, PLACE BLANKETS END OVER END (SHINGLE STYLE) WITH APPROXIMATELY 6" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART.

REFER TO GENERAL STAPLE PATTERN GUIDE EC-14 FOR CORRECT STAPLE PATTERN RECOMMENDATIONS.

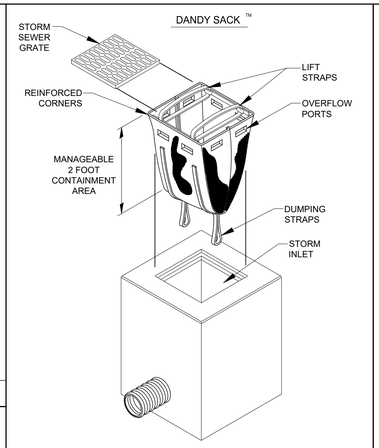
MAINTENANCE
1. DURING VEGETATIVE ESTABLISHMENT, INSPECT AFTER STORM EVENTS FOR ANY EROSION BELOW THE BLANKET.
2. IF ANY AREA SHOWS EROSION, PULL BACK THAT PORTION OF THE BLANKET COVERING IT, ADD SOIL, RE-SEED THE AREA, AND RE-LAY AND STAPLE THE BLANKET.
3. AFTER VEGETATIVE ESTABLISHMENT, CHECK THE TREATED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

1 SLOPE EROSION CONTROL BLANKET
SCALE: NONE



MAINTENANCE
1. INSPECT THE DROP INLET PROTECTION AFTER EACH STORM EVENT, AND MAKE NEEDED REPAIRS IMMEDIATELY.
2. REMOVE SEDIMENT FROM THE POOL AREA TO ENSURE ADEQUATE RUNOFF STORAGE FOR THE NEXT RAIN.
3. WHEN THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED, REMOVE ALL BARRELS, CONSTRUCTION MATERIAL, AND SEDIMENT AND DISPOSE OF PROPERLY. GRADE THE DISTURBED AREA TO THE ELEVATION OF THE TOP OF THE INLET AND STABILIZE.

3 WELDED WIRE INLET PROTECTION
SCALE: NONE



DANDY SACK™ SPECIFICATIONS

NOTE: THE DANDY SACK™ WILL BE **MANUFACTURED IN THE U.S.A.** FROM A WOVEN MONOFILAMENT FABRIC THAT MEETS OR EXCEEDS THE FOLLOWING SPECIFICATIONS:

REGULAR FLOW DANDY SACK™ (BLACK)

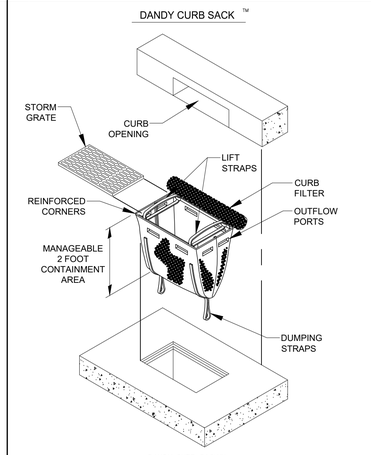
Mechanical Properties	Test Method	Units	MARV
Grab Tensile Strength	ASTM D 4632	kN (lbs)	1.78 (400) x 1.40 (315)
Grab Tensile Elongation	ASTM D 4632	%	15 x 15
Puncture Strength	ASTM D 4833	kN (lbs)	0.67 (150)
Mullen Burst Strength	ASTM D 3786	kPa (psi)	5506 (800)
Trapezoid Tear Strength	ASTM D 4533	kN (lbs)	0.67 (150) x 0.73 (165)
UV Resistence	ASTM D 4355	%	90
Apparent Opening Size	ASTM D 4751	Mm. (US Std Sieve)	0.425 (40)
Flow Rate	ASTM D 4491	l/min/m² (gal/min/ft²)	2852 (70)
Permittivity	ASTM D 4491	Sec⁻¹	0.90

HI-FLOW DANDY SACK™ (SAFETY ORANGE)

Mechanical Properties	Test Method	Units	MARV
Grab Tensile Strength	ASTM D 4632	kN (lbs)	1.62 (365) X 0.89 (200)
Grab Tensile Elongation	ASTM D 4632	%	24 X 10
Puncture Strength	ASTM D 4833	kN (lbs)	0.40 (90)
Mullen Burst Strength	ASTM D 3786	kPa (psi)	3097 (450)
Trapezoid Tear Strength	ASTM D 4533	kN (lbs)	0.51 (115) X 0.33 (75)
UV Resistence	ASTM D 4355	%	90
Apparent Opening Size	ASTM D 4751	Mm. (US Std Sieve)	0.425 (40)
Flow Rate	ASTM D 4491	l/min/m² (gal/min/ft²)	5907 (145)
Permittivity	ASTM D 4491	Sec⁻¹	2.1

*Note: All Dandy Sacks™ can be ordered with our optional oil absorbent pillows

6 DROP INLET DANDY BAG PROTECTION
SCALE: NONE



DANDY CURB SACK™ SPECIFICATIONS

NOTE: THE DANDY CURB SACK™ WILL BE **MANUFACTURED IN THE U.S.A.** FROM A WOVEN MONOFILAMENT FABRIC THAT MEETS OR EXCEEDS THE FOLLOWING SPECIFICATIONS:

REGULAR FLOW DANDY CURB SACK™ (BLACK)

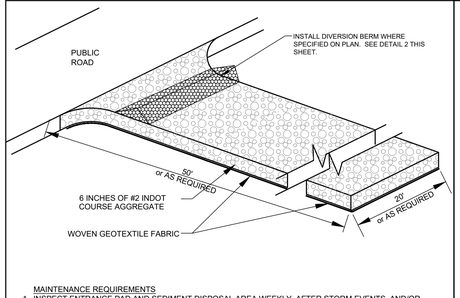
Mechanical Properties	Test Method	Units	MARV
Grab Tensile Strength	ASTM D 4632	kN (lbs)	1.78 (400) x 1.40 (315)
Grab Tensile Elongation	ASTM D 4632	%	15 x 15
Puncture Strength	ASTM D 4833	kN (lbs)	0.67 (150)
Mullen Burst Strength	ASTM D 3786	kPa (psi)	5506 (800)
Trapezoid Tear Strength	ASTM D 4533	kN (lbs)	0.67 (150) x 0.73 (165)
UV Resistence	ASTM D 4355	%	90
Apparent Opening Size	ASTM D 4751	Mm. (US Std Sieve)	0.425 (40)
Flow Rate	ASTM D 4491	l/min/m² (gal/min/ft²)	2852 (70)
Permittivity	ASTM D 4491	Sec⁻¹	0.90

HI-FLOW DANDY CURB SACK™ (SAFETY ORANGE)

Mechanical Properties	Test Method	Units	MARV
Grab Tensile Strength	ASTM D 4632	kN (lbs)	1.62 (365) X 0.89 (200)
Grab Tensile Elongation	ASTM D 4632	%	24 X 10
Puncture Strength	ASTM D 4833	kN (lbs)	0.40 (90)
Mullen Burst Strength	ASTM D 3786	kPa (psi)	3097 (450)
Trapezoid Tear Strength	ASTM D 4533	kN (lbs)	0.51 (115) X 0.33 (75)
UV Resistence	ASTM D 4355	%	90
Apparent Opening Size	ASTM D 4751	Mm. (US Std Sieve)	0.425 (40)
Flow Rate	ASTM D 4491	l/min/m² (gal/min/ft²)	5907 (145)
Permittivity	ASTM D 4491	Sec⁻¹	2.1

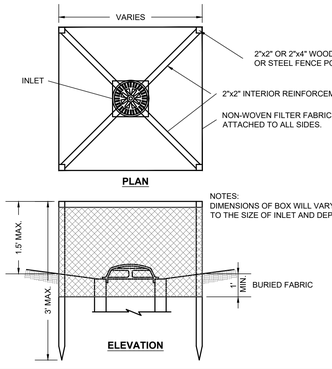
*Note: All Dandy Sacks™ can be ordered with our optional oil absorbent pillows

8 DROP INLET DANDY BAG PROTECTION WITH CURB FILTER
SCALE: NONE



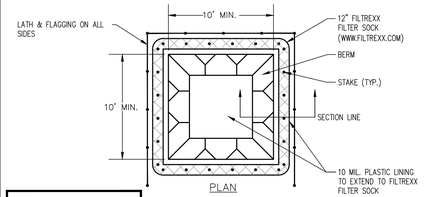
MAINTENANCE REQUIREMENTS
1. INSPECT ENTRANCE PAD AND SEDIMENT DISPOSAL AREA WEEKLY, AFTER STORM EVENTS, AND/OR HEAVY USE.
2. RESHAPE PAD AS NEEDED FOR DRAINAGE AND RUNOFF CONTROL.
3. TOPDRESS WITH CLEAN STONE AS NEEDED.
4. IMMEDIATELY REMOVE MUD AND SEDIMENT TRACKED OR WASHED ONTO PUBLIC ROADS BY BRUSHING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

2 TEMPORARY CONSTRUCTION ENTRANCE
SCALE: NONE

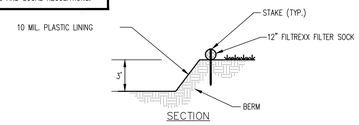


NOTES:
DIMENSIONS OF BOX WILL VARY ACCORDING TO THE SIZE OF INLET AND DEPTH OF BASE.

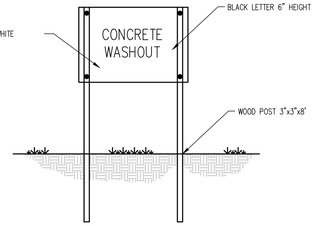
4 FABRIC DROP INLET PROTECTION
SCALE: NONE



NOTE:
RESIDUAL LIQUID FROM CONCRETE WASHOUT MUST BE HANDLED AS WASTEWATER AND DISPOSED OF PER STATE AND LOCAL REGULATIONS.



NOTE:
1. WASHOUT LOCATION SHOWN ON EROSION CONTROL PLAN.
2. DRY CONCRETE TO BE REMOVED FROM SITE PERIODICALLY AND DISPOSED OF BY APPROVED METHODS.
3. THE CONCRETE WASHOUT SIGN SHALL BE CLEARLY POSTED WITHIN 30FT. OF THE TEMP. CONCRETE WASHOUT FACILITY.
4. WASHOUT SHALL BE LOCATED SO THAT RUNOFF IS DIVERTED AWAY FORM THE WASHOUT.



9 CONCRETE WASHOUT
SCALE: NONE

TEMPORARY SEEDING DATES	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.
WHEET OR RYE												
OATS												
ANNUAL RYEGRASS												

PERMANENT SEEDING DATES	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.
NON-IRRIGATED*												
IRRIGATED												
DORMANT SEEDING**												

IRRIGATION NEEDED DURING THIS PERIOD TO CONTROL EROSION AT TIMES OTHER THAN IN THE SHADED AREAS USE MULCH

* LATE SUMMER SEEDING DATES MAY BE EXTENDED 5 DAYS IF MULCH IS APPLIED

** INCREASE SEEDING APPLICATION BY 50%

TEMPORARY SEEDING RATE			
TYPE OF SEED	1,000 SF	ACRE	REMARKS
WHEET OR RYE	3.5 LBS.	2 BU.	COVER SEED 1"-1 1/2" DEEP
SPRING OATS	2.3 LBS.	3 BU.	COVER SEED 1" DEEP
ANNUAL RYEGRASS	1 LB.	40 LB.	COVER SEED 1/4" DEEP

PERMANENT SEEDING MIXTURES

SPECIES	SEEDING RATE LBS/ ACRE	SEEDING RATE LBS/ 1,000 SF	SUITABLE pH	SITE SUITABILITY* DROUGHTY	WELL DRAINED	WET
LEVEL AND SLOPING, OPEN AREAS						
1. TALL FESCUE	35	.8	5.5-8.3	2	1	2
2. TALL FESCUE	25	.6	5.5-8.3		1	
RED CLOVER	5	.12				
3. KENTUCKY BLUEGRASS	15	.4	5.8-7.5	2	1	
CREEPING RED FESCUE	15	.4				
STEEP BANKS AND CUTS						
4. TALL FESCUE	15	.4	5.8-7.5	2	1	2
KENTUCKY BLUEGRASS	25	.6				
5. TALL FESCUE	35	.8	5.5-8.3	2	1	
EMERALD CROWNVETCH**	10	.25				
LAWNS AND HIGH MAINTENANCE AREAS						
6. KENTUCKY BLUEGRASS	40	.9	5.8-7.5	2	1	
CREEPING RED FESCUE	40	.9				
7. PERENNIAL RYEGRASS (TURF TYPE)	170	4.0	5.0-7.5		1	
8. TALL FESCUE	170	4.0	5.5-8.3	2	1	2

SEEDED PREPARATION

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

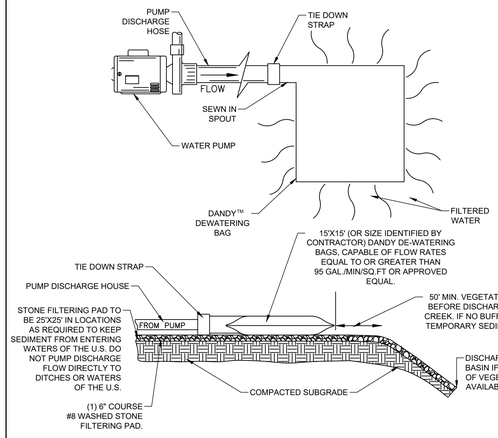
WORK THE FERTILIZER AND LIME INTO THE SOIL TO A DEPTH OF 2-3 INCHES WITH A HARROW, DISK OR RAKE OPERATED ACROSS THE SLOPE AS MUCH AS POSSIBLE.

DO NOT USE PHOSPHOROUS CONTAINING FERTILIZERS (12-12-12) UNLES SOIL TEST SHOW A DEFICIENCY IN PHOSPHOROUS.

SEEDING

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

5 SEASONAL SOIL PROTECTION CHART
SCALE: NONE



NOTE:
CONTRACTOR IS RESPONSIBLE FOR DETERMINING HOW MANY DEWATERING BAGS ARE REQUIRED, THE LOCATION AND THE NUMBER AND SIZE OF PUMPS REQUIRED. IF CONTRACTOR FEELS THAT THE 25'x25' STONE FILTERING PADS ARE INADEQUATE TO HOLD ENOUGH BAGS, HE SHALL DISCUSS ADDITIONAL LOCATIONS AND SIZES WITH THE ON-SITE ENGINEER. WHEN DEWATERING BAG IS FULL OF SEDIMENT, REMOVE BAG AND DEPOSIT SEDIMENT IN A LOCATION DETERMINED BY THE ON-SITE ENGINEER.

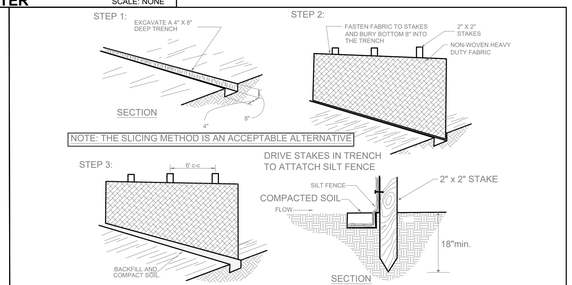
DANDY DEWATERING BAG™
SPECIFICATIONS

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:

DANDY DEWATERING BAG™

Mechanical Properties	Test Method	Units	MARV
Grab Tensile Strength	ASTM D 4632	kN (lbs)	0.9 (205) x 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	l/min/m² (gal/min/ft²)	3866 (95)
Permittivity	ASTM D 4491	Sec⁻¹	1.2

7 DANDY DE-WATERING BAG PRACTICES DETAIL
SCALE: NONE



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

9 SILT FENCE BARRIER INSTALLATION
SCALE: NONE

RQAW
DCCM
A&F ENGINEERING
Transportation Engineering Services
Creating Order Since 1966

95% CD SET - Not For Construction

TOWN OF McCORDSVILLE

McCORDSVILLE POLICE STATION

7520 CIVIC DRIVE, MCCORDSVILLE, IN 46055

#	Revision	Date

Project #: 717000.1
Designed By: MM
Drawn By: SO
Checked By: KC
Date: 04/21/23

NOT FOR CONSTRUCTION

N

SWPPP PLAN (DETAILS)

C404

Project Information:

Project Name: McCordsville Police Station
County: Hancock
Civil Township: Vernon Quarter: NW Section:25 Township: 17N Range: 5E
Latitude: 39°53'04" Longitude: 85°54'33"
Project Location: CR West 750 North approximately 1200 feet east of Mount Comfort Road

Project Site Owner and Contact Information:
Company Name (if applicable): Town of McCordsville Indiana
Contact Person: McCordsville Town Manager Address: 6280 W 800
City: McCordsville State: IN Zip: 46055 Phone: (317)335-5146

Project Narrative: This project includes a 17,872 square foot Police Station building with 108 parking spaces, connective sidewalks, security fencing, signage, and required utilities. Detention for storm water leaving the site will be provided by a regional detention basin located immediately west of the site.

SECTION A

Storm Water Pollution Prevention Plan Elements
Assessment of Construction Plan Elements for Technical Review and Comment
This section is to address technical review and comments of the Construction/Stormwater Pollution Prevention Plan for the Project.

A1 Plan Index Provided Below

A2 Vicinity Map: Denoted on Sheet C100

A3 Project Narrative: This project includes a 17,872 square foot Police Station building with 108 parking spaces, connective sidewalks, security fencing, signage, and required utilities. Detention for storm water leaving the site will be provided by a regional detention basin located immediately west of the site. The project is located approximately 1200 feet east of Mount comfort Road on CR West 750 North. Additionally it is located in Vernon Township, Section 25, T-17N, R-5E in Hancock County, Indiana.

A4. Latitude: 39°53'04" Longitude: 85°54'33"

A5. Legal description of project site: Denoted on Sheet C100

A6. 11"x17" Plat showing streets and boundaries: Refer to Enclosed 11 x 17 McCord Square Recorded Secondary Plat.

A7. 100 Year Floodplains, Floodways and Flood Fringes: None

A8. Adjacent Land Use:
North: PUD McCord Square Planned-Unit Development Ordinance
South: R2, Residential-2
East: PUD McCord Square Planned-Unit Development Ordinance
West: PUD McCord Square Planned-Unit Development Ordinance

A9. Identification of U.S. EPA approved or established TMDL: Fall Creek and White River, which are receiving waters for this project have TMDL limits for E. Coli.

A10. Receiving Waters: The project detention basin drains to Stansbury Ditch which flows to Dry Branch and ultimately Geist Reservoir. Geist Resevoir drains to Fall Creek and ultimately White River.

A11. Specific points where storm water discharge will leave the site: Stormwater collected at the east end of the project will be discharged to Ream creek after being routed through a water quality BMP.

A12. Soils Map including descriptions and limitations: See Plan Sheet 1

A13. Location of all wetlands, lakes & water courses on and adjacent to site: Detention for storm water leaving the site will be provided by a regional detention basin located immediately west of the site. Runoff from the 15-inch culvert under CR West 750 North and the project site will be directed to this master planned detention basin.

A14. State or Federal Water Quality Permits: IDEM Construction Stormwater General Permit

A15. Identification of existing vegetative cover: See Plan Sheets C101, and C102.

A16. Existing site topography: See Plan Sheets C101 and C102 for existing site topography.

A17. Locations where runoff enters the project site: A 15-inch CMP culvert located on CR West 750 North approximately 1440 feet east of Mount Comfort Road discharges runoff into the project site from 1.9 acres on the south side of CR West 750 North.

A18. Specific points where storm water discharge will leave the site: Stormwater collected from the project site as well as offsite acreage including 1.9 acres from the south side of CR 750N and 4.11 acres from the area north of the project site offsite will be discharged into the regional detention basin just west of the project site.

A19. Location of all existing structures on the project site: A 15-inch CMP culvert located on CR West 750 North approximately 1440 feet east of Mount Comfort Road discharges runoff into the project site from 1.9 acres on the south side of CR West 750 North.

A20. Existing permanent retention or detention facilities: Detention for storm water leaving the project site will be provided by a regional detention basin located immediately west of the site.

A21. Identification of potential discharges to ground water: Excavation pits can be potential sources of discharge into groundwater. There is a potential for discharges into groundwater from sediment resulting from exposed soils, leaves, mulch, and vehicular sources if a significant rain event occurs while excavations are open.

A22. Project Area: 2.8± Acres

A23. Expected Land Disturbance Area: 4.0± Acres

A24. Proposed final topography: See Plan Sheets C301, and C302 for proposed site grading and drainage patterns

A25. Locations and approximate boundaries of all disturbed areas: See Plan Sheet C401-C403.

A26. Locations, size and dimensions of proposed storm water systems: See Plan Sheets C501-C502 and Sheets C701-C704 for proposed storm sewer system

A27. Identification of potential discharges to groundwater: Excavation pits can be potential sources of discharge into groundwater. There is a potential for discharges into groundwater from sediment resulting from exposed soils, leaves, mulch, and vehicular sources if a significant rain event occurs while excavations are open.

A28. Improvements: Denoted on Sheets C501-C502.

A29. Locations of Soil Stockpiles: See Sheet C401 for more detail.

A30. Stormwater Pollution Prevention Plan Construction Components Construction Activities: See sheets C401-C403.

A31. Location of in-stream activities: This project does not include work within a stream.

SWPPP ELEMENT INDEX

ELEMENT	DESCRIPTION	SHEET
A1	INDEX	C100
A2	VICINITY MAP	C100
A3	NARRATIVE	C405
A4	WETLANDS, LAKES, AND WATER COURSES	C501-C502
A5	IMPROVEMENTS	C201-C202
A6	EXISTING TOPOGRAPHY	C101-C102
A7	FINAL TOPOGRAPHY	C301-C302
A8	POTENTIAL POLLUTANTS	C404
A9	POST CONSTRUCTION STORMWATER QUALITY	C403
A10	STORM WATER DISCHARGE POINTS	C501
B1	POTENTIAL POLLUTANTS	C404
B2	SEQUENCE DESCRIBING STORMWATER QUALITY	C401-C403
B3	CONSTRUCTION ENTRANCE	C401-C402, C404
B4	SEDIMENT CONTROL FOR SHEET FLOW	C401-C403
B5	SEDIMENT CONTROL FOR CONCENTRATED FLOW	C403-C404
B6	SEDIMENT CONTROL FOR SEWER INLET PROTECTION	C402-C405
B7	RUNOFF CONTROL MEASURES	C401-C403
B8	STORMWATER OUTLET PROTECTION	C403 and Sht. 7 of 10
B9	GRADE CONTROL STRUCTURE	N/A
B10	DETAILS FOR EACH STORM WATER QUALITY MEASURE	C901-C902, and 6-7 of 10
B11	TEMPORARY STABILIZATION METHODS	C401-C402
B12	PERMANENT STABILIZATION	C403
B13	MATERIAL HANDLING AND SPILL PREVENTION	C403
B14	MONITORING & MAINTENANCE GUIDELINES	C405
B15	EROSION & SEDIMENT FOR INDIVIDUAL LOTS	N/A
C1	POLLUTANTS & SOURCES ASSOCIATED WITH LAND USE	C405
C2	SEQUENCE FOR STORM WATER QUALITY MEASURES	C401-C403
C3	POST CONSTRUCTION STORMWATER QUALITY	C403 & C501-C502
C4	DETAILS FOR EACH STORM WATER QUALITY MEASURE	C404, and Sht. 7 of 10
C5	DESC. MAINTENANCE FOR POST CONSTRUCTION SWQ MEASURES	C405

SECTION B

Stormwater Pollution Prevention Plan
Construction Components
The construction component of the SWPPP includes stormwater quality measures to address erosion, sedimentation, and other pollutants associated with land disturbance and construction activities. Proper implementation of the plan and inspections of the construction site are necessary to minimize the discharge pollutants. The project Site Owner should be aware that unforeseen construction activities and weather conditions may affect the performance of a practice or the effectiveness of the plan. The plan must be a flexible document, with provisions to modify or substitute practices as necessary.

B1 Description of potential pollutants sources associates with the construction activities:
Silt and sediment from exposed soils, leaves, mulch, vehicular sources such as leaking fuel or oil, brake fluid, brake dust, trash, and debris, biological agents found in trash, fertilizers, herbicides, pesticides, acid rain, lime dust and concrete washout are all potential pollutants on this project.

Sanitary Facilities: All personnel involved with construction activities must comply with state and local sanitary or septic system regulations. Temporary sanitary facilities will be provided at the site throughout the construction phase. The facilities must be used by all construction personnel and will be serviced by a commercial operator.

Concrete and Masonry Materials: A concrete/masonry washout shall be present onsite. Contractor shall not use unlined earthen pits and shall ensure the washout is an appropriate size and includes a lining to prevent pollutants from reaching ground water or the storm sewer system. For shorter term projects a pre-fabricated washout is recommended. To prolong life of pre-fabricated washouts scrapings may be stockpiles next to the washout provided the washout and stockpile are regularly maintained and legible use instructions are posted, and the area is returned to previous conditions when concrete work is finished.

Litter: The construction site shall be kept clean at all times. Miscellaneous litter poses a threat to surrounding waterways and is an aesthetic nuisance.

Sediment/Exposed Soil: All exposed soils not currently within active work areas are to be temporarily seeded or mulched so as to not be left exposed to weather. The site perimeter and infrastructure shall be protected with measures such as sediment basins, silt fencing, inlet protection, and check dams.

Haul/Construction Materials: All Materials hauled to or from the site should be secured to prevent littering, wind blown sedimentation, etc. All spills should be cleaned up immediately.

Solid Waste Disposal: No solid materials including building materials are allowed to be discharged from the site via stormwater. All solid waste, including disposable materials incidental to the major construction activities, must be collected and placed in closed containers.

B2 Sequencing of storm water quality implementation relative to land disturbance activities:
This plan has been created in an effort to eliminate or reduce sediment from leaving the Project during construction while protecting the adjoining properties and the offsite storm sewer system. If measures specified in these plans are implemented the chance that sediment will leaving the site will be reduced. Protection of the pervious paving system once it is constructed is of prime importance on this project.

Pre-Construction Activities:
1. Schedule Pre-Con with Town of McCordsville Storm Water Department before commencing work.
2. Call the Indiana Underground Plant Protection Systems, Inc. ("Holey Moley") at 1-800-382-5544 to check the location of any existing utilities. They should be notified two working days before construction takes place
3. A silt fence shall be installed at the edges of the project site. Preservation of existing grass strips upstream and downstream of silt fencing greatly reduces sediment transport offsite.
3. Maintain a 10' minimum grass filter strip along the site perimeter adjacent to public streets wherever possible.
7. A construction entrance shall be placed per the plan location.
8. Establish construction staging area for equipment and vehicles as far from proposed pervious paving as possible.
9. Establish on-site location for owner/operator/contractor placement of approved plans and Stormwater General Permit NOI and Stormwater General Permit Inspection documentation.

Establish Topsoil Stockpile area:
1. Contractor to evaluate location of soil stockpile area and prep with silt fence (see details).

SECTION B - continued

Stormwater Pollution Prevention Plan
Construction Components
Construction Activities
1. Once erosion and sediment control measures are in place begin land clearing followed immediately by rough grading. Do not leave large areas unprotected for more than 7 days. The Stormwater General Permit requires that all disturbed area that potentially will be idle for 7 days or more will be stabilized (seeded, mulched, etc.) immediately.
2. Upon completion of mass grading, install storm sewers and detention basin system. After detention storage system is installed, immediately begin protecting basin from vehicular traffic, sediment and other potential pollutants. As storm sewer system is constructed, install inlet protection measures.
4. Upon completion of sewer installation and inlet protection, proceed with paving installation and concrete walk construction.
5. Finish grade all non-paved areas upon completion of all paving.
6. Apply seed, mulch and erosion control blanket as specified on the plans.
7. Maintain all temporary BMP measures until all vegetated areas have reached 70% coverage density.

B3 Stable construction entrance location(s) and specifications: See Plan Sheet C401-C402.
B4 Sediment control measures for sheet flow areas: See Plan Sheet C401-C403.
B5 Sediment control measures for concentrated flow areas: See Plan Sheet C402-C403.
B6 Storm sewer inlet protection measures, locations and specifications:
See Plan Sheet C402.
B7 Runoff control measures: See Plan Sheet(s) C401-C403.
B8 Storm water outlet protection specifications: See Plan Sheet(s) Town of McCordsville Sht. 7.
B9 Grade control structure locations and specifications: None.
B10 Location, dimensions, specifications and construction details of each storm water quality measure: See Plan Sheets C401-C403.
B11 Temporary Surface stabilization methods appropriate for each season (include sequencing): See Plan Sheet(s) C402 and C404.
B12 Permanent surface stabilization specifications (*include sequencing*).
See Plan Sheet C403 and Detail Sheet C404.
B13 Material handling and spill prevention plan:
Purpose:
The intention of this Spill Prevention, Control and Countermeasures (PCC) is to establish the procedures and equipment required to prevent the discharge of oil and hazardous substances in quantities that violate applicable water quality standards, cause a sheen upon or discoloration of the surface of Receiving water or adjoining shorelines, or cause sludge or emulsion to be deposited beneath the surface of the water or adjoining shorelines. The plan also establishes the activities required to mitigate such discharges (i.e. countermeasures) should they occur.
Definitions:
Pollutant: Means pollutant of any kind or in any form, including but not limited to sediment, paint, cleaning agents, concrete washout, pesticides, nutrients, trash, hydraulic fluids, fuel, oil, petroleum, fuel oil, sludge, oil refuse, and oil mixed with wastes other than dredged soil.

Discharge: Includes, but is not limited to, any spilling, leaking, pumping, pouring, emitting, emptying or dumping.
Receiving Navigable Waters: Means all waters of the United States that are connected with a Receiving stream, lake, or sea. [Note: this definition is usually interpreted to mean any wastewater even normally dry wash or storm sewer) that eventually drains into a Receiving stream.
Plan Review Amendments:This plan shall be reviewed and/or amended, if necessary, whenever there is a change in the design of the site, construction, operation, or maintenance which materially affects the site's potential for the discharge of regulated material.

Prediction of Potential Spills:
1. Nearest Receiving Water: Stansbury Ditch.
2. Drainage System: In the post-developed condition storm water leaves the site via a new storm sewer system that drains to a regional detention basin. The project detention basin drains to Stansbury Ditch which flows to Dry Branch and ultimately Geist Reservoir. Geist Resevoir drains to Fall Creek and ultimately White River
3. Possible spill sources (during and post-construction):
Vehicular sources such as leaking fuel or oil, brake fluid, grease, antifreeze; construction trash and debris, biological agents found in trash and debris, fertilizers, household items including but not limited cleaning agents, chemicals, paint, herbicides and pesticides.
4. Groundwater contamination:
The facility maintains NO above ground or underground storage tanks at this site. Therefore, it is felt that there is little or no possibility of post-construction groundwater contamination. The facility does have city sanitary sewer and city water.

Alert Procedures for Spills:
1. Any personnel observing a spill will immediately initiate the following procedure:
a. Notify the designated emergency coordinator for the project.
2. The Emergency Coordinator will then take the following actions:
a. Barricade the area allowing no vehicles to enter or leave the spill zone.
b. Notify the Indiana Department of Environmental Management, Office of Emergency Response by calling the appropriate telephone number.
Office 317-233-7745 Toll Free 800-233-7745
Also the National Response Center at 800-424-8802 and provide the following information:
- Time of observation of the spill
- Location of the spill
- Identity of material spilled
- Probable source of the spill
- Probable time of the spill
- Volume of the spill and duration
- Present and anticipated movement of the spill
- Weather conditions
- Personnel at the scene
- Action initiated by personnel
c. Notify the Town of McCordsville Fire Department : Phone 911
d. Notify the Town of McCordsville Police Department: Phone 911
e. Notify waste recovery contractor, maintenance personnel or other contractual personnel as necessary for clean up
f. Coordinate and monitor clean up until the situation has been stabilized and all spills have been eliminated.
g. Cooperate with the IDEM-OER on procedures and reports involved with the event.

Cleanup Parameters:
1. The developer shall be continually kept informed, maintain lists of qualified contractors and available Vac-trucks, tank pumpers and other equipment readily accessible for clean-up operations. In addition, a continually updated list of available absorbent materials and clean up supplies should be kept on site.
2. All maintenance personnel will be made aware of techniques for prevention of spills. They will be kept abreast of current development or new information on the prevention of spills and/or necessary alteration to this plan.
3. When spills occur which could endanger human life and this becomes primary concern, the discharge of the life saving protection function will be carried out by the local police and fire departments.
4. Absorbent materials, which are used in cleaning up spilled materials, will be disposed of in a manner subject to the approval of the Indiana Department of Environmental Management.
5. Flushing of spilled material with water will not be permitted unless so authorized by the Indiana Department of Environmental Management.

SECTION B - continued

Stormwater Pollution Prevention Plan
Construction Components
B14 Monitoring and maintenance guidelines for each proposed stormwater quality measure:
Temporary gravel construction entrance maintenance requirements
1. Inspect entrance pad and sediment disposal area weekly and after storm events or heavy use.
2. Reshape as needed for drainage and runoff control.
3. Top dress with clean stone as needed.
4. Immediately remove mud and sediment tracked or washed onto streets by brushing or sweeping. Flushing should only be used if the water is conveyed into a sediment trap of basin.
5. Repair any broken road pavement immediately.

Silt fence maintenance requirements
1. Inspect the silt fence periodically and after each storm event.
2. If fence fabric tears, starts to decompose or in any way becomes ineffective, replace the affected portion immediately.
3. Remove deposited sediment when it reaches half the height of the fence at its lowest point or is causing fabric to bulge.
4. Take care to avoid undermining the fence during cleanout.
5. After the contributing drainage area has been stabilized, remove the fence and sediment deposits, bring the disturbed area to grade and stabilize.

Area Drain, and Curb Inlet barrier maintenance requirements.
1. Inspect after each storm event and repair if necessary.
2. Remove sediment, without flushing, when it reaches half the height of barrier.
3. Deposit removed sediment where it will not enter storm sewer drains.
4. Replace or repair if torn or damaged in other ways.
5. When contributing drainage area has been stabilized, remove and properly dispose of construction material and sediment, finish grade the disturbed area and stabilize.

Erosion control blanket (surface applied) maintenance requirements
1. During vegetative establishment, inspect after each storm event for any erosion below the blanket.
2. If any area(s) shows erosion, pull back that portion of the blanket covering it, reseed the area and relay and staple the blanket.
3. After vegetative establishment check the treated area periodically.

Topsoil (Salvage and Utilization):
1. Inspect newly topsoiled areas frequently until vegetation is established
2. Repair eroded or damaged areas and re-vegetate.

Rock Check Dam:
1. Inspect check dams and the channel after each storm event, and repair any damage immediately.
2. If significant erosion occurs between dams, install a riprap liner in that portion of the channel.
3. Remove sediment accumulated behind each dam as needed to maintain channel capacity, to allow drainage through the dam, and to prevent large flows from displacing sediment.
4. Add rock to the dams as needed to maintain design height and cross section.
5. When the dams are no longer needed, remove the rock and stabilize chanel, using an erosion-resistant lining if necessary.

Riprap:
1. Inspect periodically for displaced rock material, slumping, and erosion at edges, especially downstream or downslope. Repair as needed.

B15 Erosion & sediment control specifications for individual building lots: NONE.

All erosion and sediment control measures must be properly maintained throughout construction. Temporary and permanent seeding should be watered as needed until established. See Plan Sheets C402-C403 and Detail Sheet C404.

SECTION C

Stormwater Pollution Prevention Plan
Post Construction Component
The post construction component of the SWPPP includes the implementation of storm water quality measures to address pollutants that will be associated with the final land use. Post construction storm water quality measures should be functional upon completion of the project. Long term functionality of the measures are critical to their performance and should be monitored and maintained.

C1 Description of pollutants and their sources associated with the proposed and use:
Silt and sediment from expose soils, leaves, mulch, vehicular sources such as leaking fuel or oil, brake fluid, brake dust, grease, antifreeze, metals, rubber fragments, road grit, salts and sands, construction trash and debris, fertilizers, household items including but not limited to cleaning agents, chemicals, paint, miscellaneous home improvement materials, toys, clothing and animal waste, elevated storm runoff temperatures, acid rain, pesticides and pathogens.
C2 Sequence describing storm water quality measure implementation:
1. Inspect and maintain all erosion control measures as detailed in the Storm Water Pollution Prevention Measures Maintenance Requirement beginning immediately after installation and continuing until vegetation has been sufficiently established and all construction activities completed.
2. Remove all individual inlet protection, coir fiber log check dams, silt fences, etc. only after seeding and sufficient vegetative growth has been established in each area to a point where sediment/pollutants will not enter the detention basin or storm sewer system.
3. Inspection and maintenance of all common area and infrastructure improvements is the responsibility of the owner/developer or his designee until improvements are accepted for maintenance by local agencies.
C3 Description of proposed post-construction storm water quality measures:
Site and facility design for storm water quality protection on this site employs a multi-level strategy consisting of:
1. Reducing post-project runoff.
2. Controlling sources of pollutants.
3. Detention/retention basins designed to encourage settling of suspended solids.
4. Permanent erosion control seeding and plantings
5. Outlet protection devices and trash racks.
C4 Location, dimensions, specifications and construction details of storm water quality measures. The storm water detention basin and project outlet is shown on sheet C501. See Plan Sheets C501-C502.
C5 Description of maintenance guidelines for proposed water quality measures:

Owner Inspections:
The Owner shall inspect the condition of the BMP(s) on a monthly, annually and after a major storm event in accordance with this manual and in accordance with the requirements of the Jurisdictional entity.

Inspections by the Owner of the BMP(s) and Detention Basin(s) shall include observations of the inlet and/or outlet structures, vegetated areas along the banks and perimeters of the ponds and forebays, and immediate downstream receiving channels. Observation of the accumulated amount of sediment within the forebays and/or Swirl Chambers shall be conducted and recorded. Any item identified to be in a state of disrepair or non-functioning shall be replaced or repaired immediately.

Good House Keeping:
Periodic maintenance and inspections of the storm sewer network will reduce storm water runoff pollution. Inspect Inlets for debris and sediment. Remove debris and sediment and dispose of properly. Properly Cleanup and/or report any chemical spills. Minimize fertilizer, pesticide and herbicide applications. Avoid applying before any rain event.

Record Keeping:
The owner(s) of the BMP should keep a file containing all information pertaining to repair, replacement, and maintenance of the BMP. Files should be readily accessible to parties performing maintenance on the BMP and local regulatory agencies.
Files should include the following:
- Operations and Maintenance Manual
- Inspections Sheets - All completed inspection sheets and blank forms
- Construction plans (as-builts if applicable) - Including grading and benchmarks
- Specifications - Storm drainage and landscaping
- Maintenance Log - Log of all inspections, repairs, and associated costs
- Contact Information - Licensed Civil Engineer, Geotechnical Engineer, Landscape Architect, and Contractor qualified to perform tasks

After construction, the Owner is responsible for BMP maintenance and records of inspections.

EVALUATION FOR CONSTRUCTION PROJECTS

A trained individual shall perform a written evaluation of the project site.
a. By the end of the next business day following each rainfall that exceeds 0.5"
b. A minimum of one (1) time per week

Project Name: _____

Name of Trained Individual: _____ Date of Inspection: _____
Is this Evaluation following a rainfall ____ Yes____ No If yes, date the rain stopped: _____ Inches

No.	PROBLEM or CONCERN	YES	NO	N/A
1.	Is the site information posted at the entrance?			
2.	Are all necessary permits attained and special provisions being implemented?			
3.	Is a construction entrance installed? Is it effective? Is it enough			
4.	Public and private streets are clean?			
5.	Are appropriate practices installed where stormwater leaves the site?			
6.	Silt fence is entrenched into the ground?			
7.	Silt fence is upright? Fabric and stakes meet specifications? Fabric is not to torn?			
	Terminated to higher ground? Property joined at ends?			
8.	Sediment basins and traps are installed according to the plan? The pipe or rock spillway is functional?			
9.	The earthwork for erosion and sediment control practices is properly graded, seeded and/or mulched?			
10.	Diversions swales and/or waterbars are installed to plan and protected?			
11.	Perimeter practices have adequate capacity and do not need to be cleaned out?			
12.	Inlet protection is installed on all functional inlets? (not filter fabric under grate)			
13.	Inlet protection is installed so water does not flow under it?			
14.	The frame, cross-bracing and/or stakes are adequate and meet specifications?			
15.	The fabric, straw, mulch and/or stone is intact without holes or tears?			
16.	Catch basin insert protection is installed where required?			
17.	Sediment has been removed from the practice?			
18.	Swales and ditches have been stabilized or protected?			
19.	Stormwater outlets are adequately stabilized?			
20.	Temporary stabilization of distributed ground has been addressed?			
21.	Disturbed areas that will lie dormant for 15 days are planned to be protected?			
22.	All protected dormant areas meet a minimum 70% coverage			
23.	Growing vegetation has sufficient water and/or nutrients to grow?			
24.	Permanent stabilization of disturbed ground is progressing through the project?			
25.	Final grading and stabilization is progressing on completed areas?			
26.	The soil has been properly prepared for seeding?			
27.	Hard or soft armoring is installed where natural vegetation will erode?			
28.	Water pumping operations have a protected outlet and discharge water is clear?			
29.	A designated washout is established for concrete trucks?			
30.	A dumpster is onsite for trash disposal?			
31.	Fuel tanks and other toxic materials are safely stored and protected?			
32.	Smaller construction sites not required to file a separate NOI are complying with the overall plan?			
33.				
34.				

ALL PROBLEMS OR CONCERNS NEED TO BE ADDRESSED WITH A CORRECTIVE ACTION

Identify the problem by number and/or provide additional explanation as needed.

Developer Representative contacted, name and date: _____ Date: _____

Contractor Representative contacted, name and date: _____ Date: _____

Report Submitted by: _____ Date: _____

SECTION C continued:

Stormwater Pollution Prevention Plan
Post Construction Component

BMP - Wet Detention Pond

Monthly Inspection Maintenance
Undesirable vegetative growth:
Remove undesirable vegetation along pond banks including but not limited to tree seedlings, cattails, etc.
Remove Floatable debris and visible pollution:
Remove any floatable debris if present.
Inspect pond and forebay banks for erosion, failure, etc.:
Fill and repair any rills or eroded areas from concentrated sheet flow runoff. Repair any eroded soils around outlet and inlet structures. Reseed all disturbed areas and areas of insufficient vegetative cover.
Inspect and note sediment. Remove when measurements indicate removal is required:
Note and measure the sediment in the forebay relative to the indicated removal marker or elevation or volume. Removal when total volume is 50% full.
Remove debris at storm inlets, outlets, Headwalls, endwalls and spillways:
Remove all trash. Leaves and debris.
Complaints from residents:
Note and address any complaints from residents.
Public Hazards:
Note and address any current or potential Public Hazards.

Annually and after major storms Inspection Maintenance
Vegetation:
Remove undesirable vegetation along pond banks including but not limited to tree seedlings, cattails, etc. Mow as necessary.
Erosion on embankment:
Fill and repair any rills or eroded areas from concentrated sheet flow runoff. Repair any eroded soils around outlet and inlet structures. Reseed all disturbed areas and areas of insufficient vegetative cover.
Animal Burrows:
If present, obtain services of pest control or other company to have animals removed.
Cracking, bulging or sliding of dam:
Inspect pond and forebay banks for erosion, failure, leaks, seeps or slope protection failure. If failures are present obtain the services of a Licensed Professional Civil or Geotechnical Engineer for soil repair recommendations.
All Drains clear and functioning:
Inspect all inlet drains and remove any silt or debris as necessary.
Outlet Structure:
Inspect and check the Low Flow orifice for blockage, Trash rack for debris and corrosion. Excessive buildup, cracks, spalling and repair as necessary

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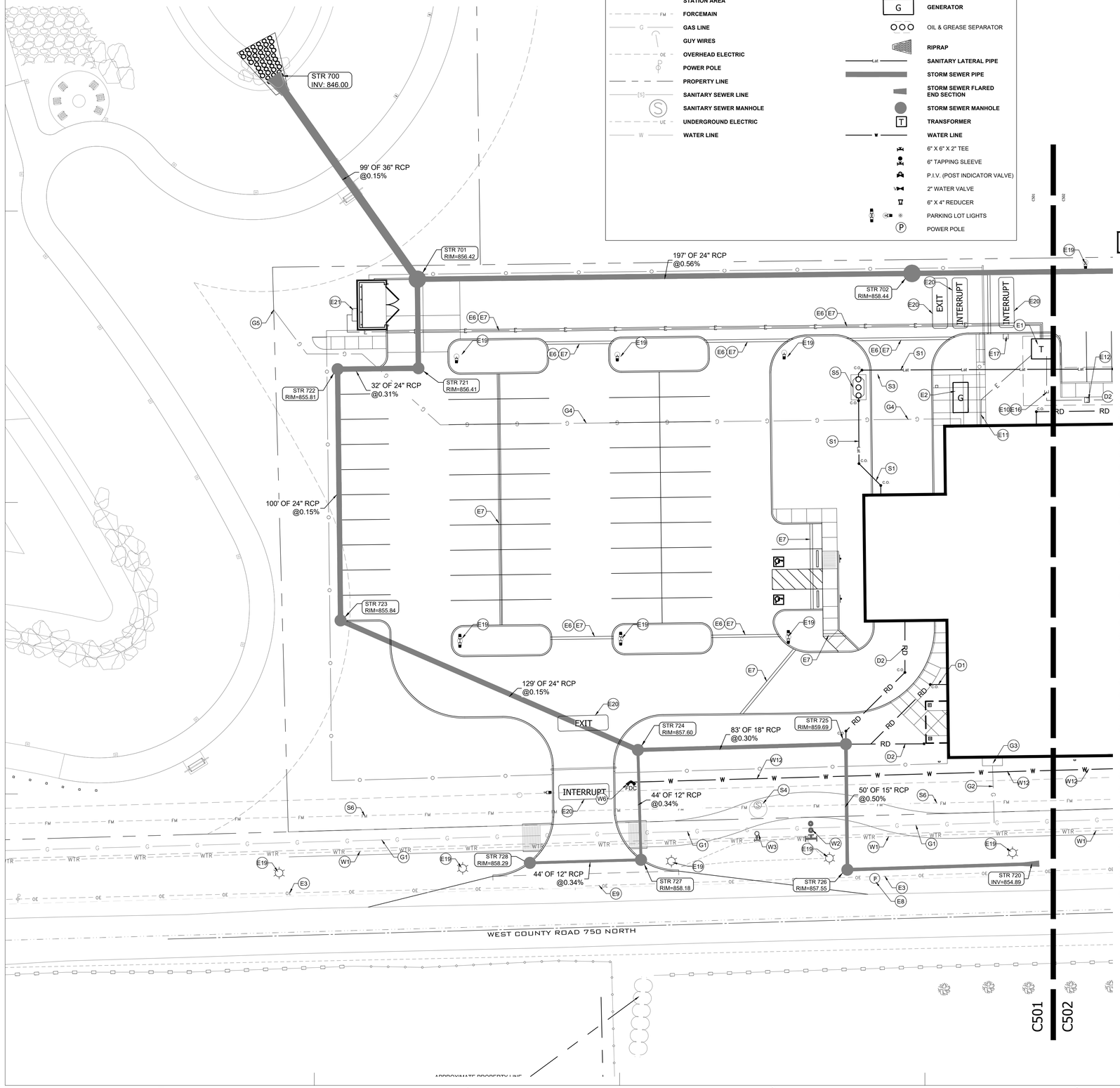
TOWN OF McCORDSVILLE
McCORDSVILLE POLICE STATION
7520 CIVIC DRIVE, MCCORDSVILLE, IN 46055

#	Revision	Date

Project #: 717000.1
Designed By: MM
Drawn By: SO
Checked By: KC
Date: 04/21/23

SWPPP PLAN (INFORMATION)

C405



UTILITY NOTES

1. REFER TO MECHANICAL, ELECTRICAL AND PLUMBING PLANS FOR CONTINUATION OF UTILITIES WITHIN 5 FEET OF STRUCTURES.
2. PRESSURE UTILITY MAINS AND SERVICE LINES MAY NEED TO BE INSTALLED AT A DEPTH GREATER THAN THAT SPECIFIED OR SHOWN ON THE DRAWINGS TO CLEAR EXISTING AND PROPOSED CROSSING UTILITIES. IN SUCH CASES, THE CONTRACTOR SHALL INSTALL VERTICAL BENDS AS REQUIRED TO ACHIEVE APPROPRIATE CLEARANCE BETWEEN THE CROSSING UTILITIES.
3. A MINIMUM HORIZONTAL SEPARATION OF 10 FEET BETWEEN WATER LINES AND SEWERS SHALL BE MAINTAINED AT ALL TIMES. A MINIMUM VERTICAL SEPARATION OF 18 INCHES BETWEEN WATER LINES AND SEWERS SHALL BE MAINTAINED AT CROSSINGS. IN THE EVENT THAT MINIMUM SEPARATION REQUIREMENTS CANNOT BE MET, THE CONTRACTOR SHALL UTILIZE PRESSURE-TYPE WATER PIPE FOR THE SEWER PER DETAIL SA-9.
4. WATER MAINS SHALL BE INSTALLED WITH A MINIMUM OF 54 INCHES OF COVER AS MEASURED FROM THE TOP OF THE PIPE TO THE FINAL FINISH GRADE ABOVE THE PIPE.
5. THRUST BLOCKS OR JOINT RESTRAINTS SHALL BE INSTALLED ON ALL WATER LINES AT ALL BENDS, TEES AND HYDRANTS PER THE DETAILS.
6. WHERE WATER FITTINGS ARE REQUIRED, DUCTILE IRON (DI) FITTINGS SHALL BE USED. FITTING JOINTS SHALL BE OF STANDARD MJ TYPE (ANSI/AWWA C111/A21.11) OR PJ TYPE (ANSI/AWWA C111/A21.11).
7. DI FITTINGS SHALL CONFORM TO ANSI/AWWA C110/A21.10, 350 PSI AND SHALL BE CEMENT MORTAR LINED PER ANSI/AWWA C104/A21.4 AND SHALL BE OUTSIDE COATED WITH A BITUMINOUS COATING.
8. PIPE LENGTHS SHOWN ARE MEASURED FROM CENTER TO CENTER OF STRUCTURES ROUNDED TO THE NEAREST FOOT.
9. PIPE LENGTHS SHOWN FOR STORM SEWERS ARE MEASURED TO THE DOWNSTREAM END OF END SECTIONS.
10. WHERE GRADE MODIFICATIONS (CUT OR FILL) ARE SHOWN ADJACENT TO EXISTING VALVE BOX COVERS AND MANHOLE CASTINGS, THE VALVE BOX COVERS AND MANHOLE CASTINGS SHALL BE ADJUSTED FLUSH WITH THE PROPOSED GRADE.
11. ADJUSTMENTS OF EXISTING MANHOLE CASTINGS TO GRADE TO A MAXIMUM OF 12 INCHES SHALL BE MADE USING PRECAST CONCRETE ADJUSTING RINGS PROVIDED THE TOTAL HEIGHT OF EXISTING AND NEW ADJUSTING RINGS DOES NOT EXCEED 12 INCHES.
12. ADJUSTMENTS OF CASTINGS WHERE THE TOTAL HEIGHT OF ADJUSTING RINGS WOULD EXCEED 12 INCHES SHALL BE MADE BY REPLACING THE CONE AND/OR BARREL SECTION OF THE STRUCTURE.
13. PAVEMENTS, WALKS, CURBS AND OTHER SURFACE IMPROVEMENTS REQUIRING REMOVAL FOR INSTALLATION OF UNDERGROUND UTILITIES SHALL BE RESTORED TO THEIR PRESENT CONDITION UNLESS OTHERWISE SHOWN.
14. **ALL INLET CASTINGS LOCATED WITHIN ASPHALT PAVEMENT AREAS SHALL INCLUDE A CONCRETE PAVED COLLAR EXTENDING A MINIMUM OF 24 INCHES IN ALL DIRECTIONS FROM THE EDGE OF THE CASTING PER THE DETAILS.**
15. THE CONTRACTOR SHALL MAINTAIN ALL FLOWS AND UTILITY CONNECTIONS TO EXISTING BUILDINGS, ETC. WITHOUT INTERRUPTION UNLESS/UNTIL AUTHORIZED TO DISCONNECT BY THE OWNER, UTILITY COMPANIES, AND GOVERNING AUTHORITIES. THE CONTRACTOR SHALL INSTALL AS NECESSARY, TEMPORARY SITE LIGHTING, GAS, SANITARY, WATER, STORM, ELECTRIC, TELEPHONE, AND CABLE SERVICES TO SERVICE BUILDING(S) TO REMAIN OPEN.
16. CONTRACTOR TO PROVIDE SLEEVES UNDER FOOTINGS OR THROUGH FOUNDATIONS FOR UTILITY CONNECTIONS.
17. CONTRACTOR SHALL PROVIDE ALL BENDS, FITTINGS, ADAPTERS, ETC. AS REQUIRED FOR PIPE CONNECTIONS TO BUILDING/CANOPY STUB OUTS. INCLUDING ROOF/FOOTING DRAIN CONNECTIONS TO ROOF LEADERS AND TO STORM DRAINAGE SYSTEM.
18. CONTRACTOR TO PROVIDE AND INSTALL CONDUIT FOR SITE LIGHTING PER SITE LIGHTING PLAN (BY OTHERS).
19. CONTRACTOR TO PROVIDE AND INSTALL CONDUIT FOR IRRIGATION PER IRRIGATION PLAN (BY OTHERS).
20. CONTRACTOR WILL BE RESPONSIBLE TO REPAIR, REPLACE, AND/OR RECONNECT ANY EXISTING DRAINAGE TILES NOT SHOWN ON THE PLANS, WHICH CROSS THROUGH EXCAVATED TRENCHES. ANY DRAINAGE TILE ENCOUNTERED IS TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND A MEASUREMENT TAKEN FROM THE NEAREST MANHOLE OR INLET STRUCTURE TO THE CENTERLINE OF THE TILE.

UTILITY KEY NOTE LEGEND

D - DRAINAGE

- D1 8" PVC ROOF DRAIN PIPE
- D2 4" PVC ROOF DRAIN PIPE

E - ELECTRIC

- E1 PROPOSED TRANSFORMER PAD. (PER NINESTAR SPECIFICATIONS)
- E2 PROPOSED GENERATOR. (SEE MEP PLAN FOR SPECIFICATIONS)
- E3 EXISTING OVERHEAD UTILITY.
- E4 EXISTING POWER POLE GUY WIRES.
- E5 EXISTING POWER POLE.
- E6 PROPOSED UNDERGROUND ELECTRIC. (SEE MEP PLANS)
- E7 PROPOSED 6" SCHEDULE 40 PVC SLEEVE PER NINESTAR SPECIFICATIONS. (BURY DEPTH 48")
- E8 PROPOSED/RELOCATED UTILITY POLE. PER NINESTAR STANDARDS AND SPECIFICATIONS.
- E9 EXISTING POWER POLE TO BE REMOVED.
- E10 (2) 6" SCHEDULE 40 PVC CONDUITS WITHIN PAVEMENT. (BURY DEPTH 48") PER NINESTAR SPECIFICATIONS
- E11 PROPOSED ELECTRIC LINE. ENCASE IN CONCRETE WHEN PASSING THROUGH FOUNDATION.
- E12 PROVIDE CONDUIT FOR FUTURE DOUBLE EV CHARGER
- E13 PROPOSED HANDHOLE
- E14 NEW LIFT STATION SECONDARY POWER LINE BY NINESTAR. (REFER TO ELEC PLAN)
- E15 NINESTAR SWITCHGEAR
- E16 NINESTAR PRIMARY CONDUCTORS (BY NINESTAR)
- E17 PROPOSED CARD READER
- E18 PRIMARY POWER LINE BY NINSTAR
- E19 PROPOSED LIGHT POLES PER MEP PLANS.
- E20 IN GROUND LOOP DETECTOR. PER MANUFACTURER'S SPECIFICATIONS.
- E21 ELECTRIC PANEL. SEE MEP PLANS.
- E22 PROPOSED FLAG POLE LIGHTS AND 6" PVC CONDUITS 24" DEEP. SEE MEP PLANS.

G - GAS

- G1 EXISTING GAS LINE
- G2 PROPOSED GAS LINE PER CENTERPOINT ENERGY SPECIFICATIONS
- G3 SM METER PER CENTERPOINT ENERGY.
- G4 PROPOSED GAS SERVICE LINE PER CENTERPOINT ENERGY SPECIFICATIONS.
- G5 CAP GAS LINE PER FUTURE CONNECTION TO FIRE PIT BY PARKS DEPT.

S - SANITARY SEWER

- S1 PROPOSED 6" PVC SANITARY LATERAL @ 1.04% MIN. SLOPE.
- S2 EXISTING SANITARY LINE
- S3 PROPOSED SANITARY MANHOLE (PER TOWN OF MCCORDSVILLE STANDARD DETAILS)
- S4 EXISTING SANITARY MANHOLE TO REMAIN. PROTECT DURING CONSTRUCTION.
- S5 PROPOSED OS-100 OIL SEPARATOR BY STRIEM. (INSTALL PER MANUFACTURERS SPECIFICATIONS AND STANDARDS)
- S6 EXISTING FORCE MAIN
- S7 PROTECT EXISTING SANITARY LIFT STATION AREA DURING CONSTRUCTION.
- S8 CONNECT TO EXISTING WYE FITTING

T - TELECOM

- T1 FIBER OPTIC OR TELECOM LINE (SEE PLANS BY HEAPY ENGINEERING)
- T2 FIBER OPTIC UTILITY HANDHOLE (PER NINESTAR SPECIFICATIONS)
- T3 FIBER OPTIC LINE (PER NINESTAR SPECIFICATIONS)
- T4 (2) 2" SCHEDULE 40 PVC CONDUIT TELECOM LINE. (SEE MEP PLANS) (BURY DEPTH 24")
- T5 (2) 4" SCHEDULE 40 PVC CONDUIT FOR TELECOM LINE
- T6 FIBER VAULT BY NINESTAR

W - WATER / FIRE PROTECTION

- W1 EXISTING 16" WATER LINE
- W2 EXISTING AIR RELIEF VALVE
- W3 EXISTING FIRE HYDRANT (ADJUST TO FINISH GRADE)
- W4 6" TAPPING SLEEVE & VALVE
- W5 PROPOSED 6" C900 PVC WATER LINE
- W6 PROPOSED FIRE DEPARTMENT CONNECTION
- W7 PROPOSED P.I.V. (POST INDICATOR VALVE)
- W8 PROPOSED 6" X 4" REDUCER
- W9 PROPOSED 2" WATER ISOLATION VALVE PER CEG SPECIFICATIONS
- W10 PROPOSED 2" DOMESTIC C900 WATER SERVICE LINE
- W11 PROPOSED 6" X 6" X 2" TEE
- W12 PROPOSED 4" C900 FIRE SERVICE LINE

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TOWN OF McCORDSVILLE

McCORDSVILLE POLICE STATION

7520 CIVIC DRIVE, MCCORDSVILLE, IN 46055

#	Revision	Date

Project #: 717000.1

Designed By: MM

Drawn By: SO

Checked By: KC

Date: 04/21/23

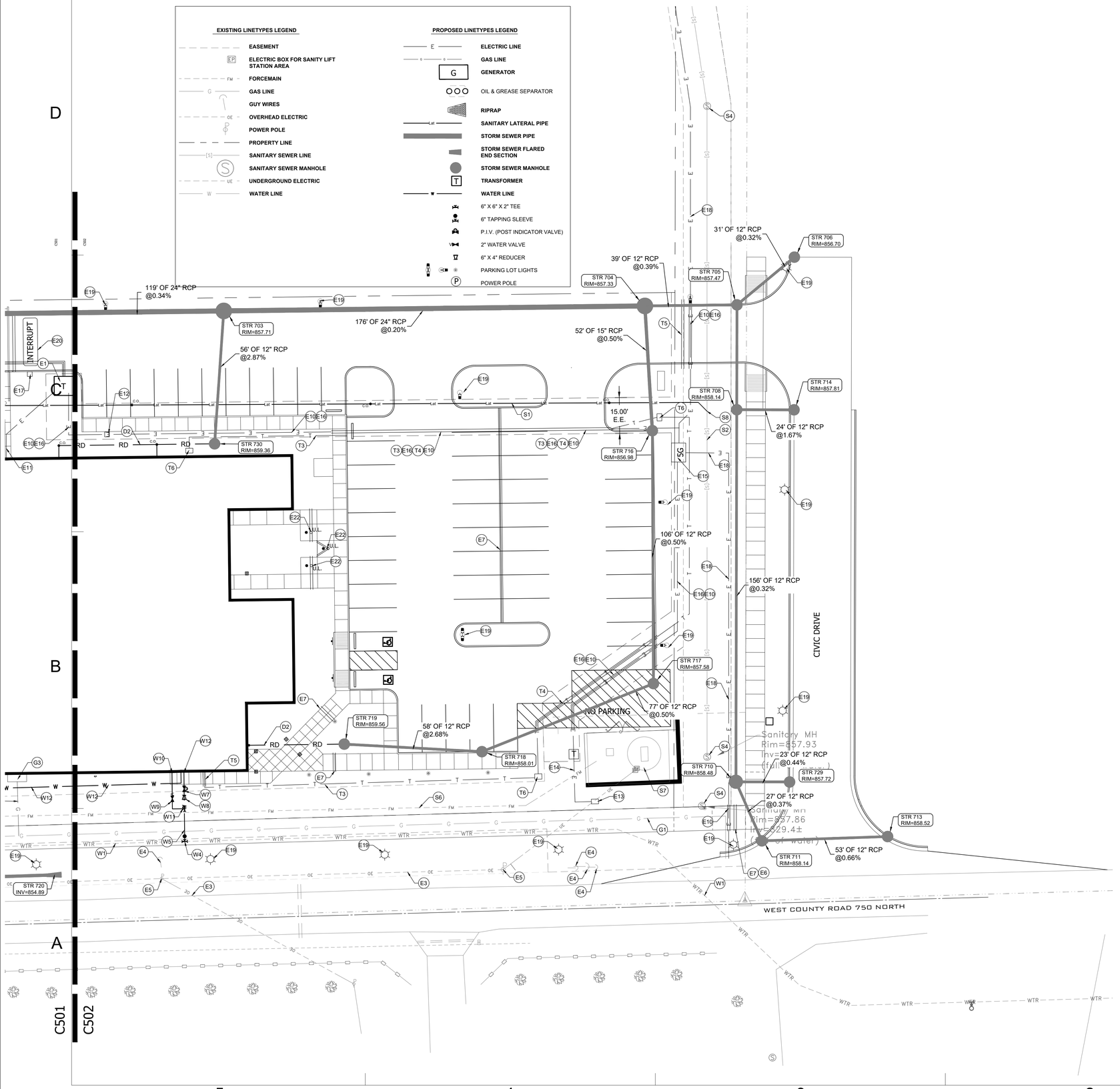
NOT FOR CONSTRUCTION

N

UTILITY PLAN

C501

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



0 20' 40'

SCALE: 1" = 20'

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5. THRUST BLOCKS OR JOINT RESTRAINTS SHALL BE INSTALLED ON ALL WATER LINES AT ALL BENDS, TEES AND HYDRANTS PER THE DETAILS.
6. WHERE WATER FITTINGS ARE REQUIRED, DUCTILE IRON (DI) FITTINGS SHALL BE USED. FITTING JOINTS SHALL BE OF STANDARD MJ TYPE (ANSI/AWWA C111/A21.11) OR PJ TYPE (ANSI/AWWA C111/A21.11).
7. DI FITTINGS SHALL CONFORM TO ANSI/AWWA C110/A21.10, 350 PSI AND SHALL BE CEMENT MORTAR LINED PER ANSI/AWWA C104/A21.4 AND SHALL BE OUTSIDE COATED WITH A BITUMINOUS COATING.
8. PIPE LENGTHS SHOWN ARE MEASURED FROM CENTER TO CENTER OF STRUCTURES ROUNDED TO THE NEAREST FOOT.
9. PIPE LENGTHS SHOWN FOR STORM SEWERS ARE MEASURED TO THE DOWNSTREAM END OF END SECTIONS.
10. WHERE GRADE MODIFICATIONS (CUT OR FILL) ARE SHOWN ADJACENT TO EXISTING VALVE BOX COVERS AND MANHOLE CASTINGS, THE VALVE BOX COVERS AND MANHOLE CASTINGS SHALL BE ADJUSTED FLUSH WITH THE PROPOSED GRADE.
11. ADJUSTMENTS OF EXISTING MANHOLE CASTINGS TO GRADE TO A MAXIMUM OF 12 INCHES SHALL BE MADE USING PRECAST CONCRETE ADJUSTING RINGS PROVIDED THE TOTAL HEIGHT OF EXISTING AND NEW ADJUSTING RINGS DOES NOT EXCEED 12 INCHES.
12. ADJUSTMENTS OF CASTINGS WHERE THE TOTAL HEIGHT OF ADJUSTING RINGS WOULD EXCEED 12 INCHES SHALL BE MADE BY REPLACING THE CONE AND/OR BARREL SECTION OF THE STRUCTURE.
13. PAVEMENTS, WALKS, CURBS AND OTHER SURFACE IMPROVEMENTS REQUIRING REMOVAL FOR INSTALLATION OF UNDERGROUND UTILITIES SHALL BE RESTORED TO THEIR PRESENT CONDITION UNLESS OTHERWISE SHOWN.
14. **ALL INLET CASTINGS LOCATED WITHIN ASPHALT PAVEMENT AREAS SHALL INCLUDE A CONCRETE PAVED COLLAR EXTENDING A MINIMUM OF 24 INCHES IN ALL DIRECTIONS FROM THE EDGE OF THE CASTING PER THE DETAILS.**
15. THE CONTRACTOR SHALL MAINTAIN ALL FLOWS AND UTILITY CONNECTIONS TO EXISTING BUILDINGS, ETC. WITHOUT INTERRUPTION UNLESS/UNTIL AUTHORIZED TO DISCONNECT BY THE OWNER, UTILITY COMPANIES, AND GOVERNING AUTHORITIES. THE CONTRACTOR SHALL INSTALL AS NECESSARY, TEMPORARY SITE LIGHTING, GAS, SANITARY, WATER, STORM, ELECTRIC, TELEPHONE, AND CABLE SERVICES TO SERVICE BUILDING(S) TO REMAIN OPEN.
16. CONTRACTOR TO PROVIDE SLEEVES UNDER FOOTINGS OR THROUGH FOUNDATIONS FOR UTILITY CONNECTIONS.
17. CONTRACTOR SHALL PROVIDE ALL BENDS, FITTINGS, ADAPTERS, ETC. AS REQUIRED FOR PIPE CONNECTIONS TO BUILDING/CANOPY STUB OUTS. INCLUDING ROOF/FOOTING DRAIN CONNECTIONS TO ROOF LEADERS AND TO STORM DRAINAGE SYSTEM.
18. CONTRACTOR TO PROVIDE AND INSTALL CONDUIT FOR SITE LIGHTING PER SITE LIGHTING PLAN (BY OTHERS).
19. CONTRACTOR TO PROVIDE AND INSTALL CONDUIT FOR IRRIGATION PER IRRIGATION PLAN (BY OTHERS).
20. CONTRACTOR WILL BE RESPONSIBLE TO REPAIR, REPLACE, AND/OR RECONNECT ANY EXISTING DRAINAGE TILES NOT SHOWN ON THE PLANS, WHICH CROSS THROUGH EXCAVATED TRENCHES. ANY DRAINAGE TILE ENCOUNTERED IS TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND A MEASUREMENT TAKEN FROM THE NEAREST MANHOLE OR INLET STRUCTURE TO THE CENTERLINE OF THE TILE.

UTILITY KEY NOTE LEGEND

D - DRAINAGE

- D1 8" PVC ROOF DRAIN PIPE
- D2 4" PVC ROOF DRAIN PIPE

E - ELECTRIC

- E1 PROPOSED TRANSFORMER PAD. (PER NINESTAR SPECIFICATIONS)
- E2 PROPOSED GENERATOR. (SEE MEP PLAN FOR SPECIFICATIONS)
- E3 EXISTING OVERHEAD UTILITY.
- E4 EXISTING POWER POLE GUY WIRES.
- E5 EXISTING POWER POLE.
- E6 PROPOSED UNDERGROUND ELECTRIC. (SEE MEP PLANS)
- E7 PROPOSED 6" SCHEDULE 40 PVC SLEEVE PER NINESTAR SPECIFICATIONS. (BURY DEPTH 48")
- E8 PROPOSED/RELOCATED UTILITY POLE. PER NINESTAR STANDARDS AND SPECIFICATIONS.
- E9 EXISTING POWER POLE TO BE REMOVED.
- E10 (2) 6" SCHEDULE 40 PVC CONDUITS WITHIN PAVEMENT. (BURY DEPTH 48") PER NINESTAR SPECIFICATIONS
- E11 PROPOSED ELECTRIC LINE. ENCASE IN CONCRETE WHEN PASSING THROUGH FOUNDATION.
- E12 PROVIDE CONDUIT FOR FUTURE DOUBLE EV CHARGER
- E13 PROPOSED HANDHOLE
- E14 NEW LIFT STATION SECONDARY POWER LINE BY NINESTAR. (REFER TO ELEC PLAN)
- E15 NINESTAR SWITCHGEAR
- E16 NINESTAR PRIMARY CONDUCTORS (BY NINESTAR)
- E17 PROPOSED CARD READER
- E18 PRIMARY POWER LINE BY NINSTAR
- E19 PROPOSED LIGHT POLES PER MEP PLANS.
- E20 IN GROUND LOOP DETECTOR. PER MANUFACTURER'S SPECIFICATIONS.
- E21 ELECTRIC PANEL. SEE MEP PLANS.
- E22 PROPOSED FLAG POLE LIGHTS AND 6" PVC CONDUITS 24" DEEP. SEE MEP PLANS.

G - GAS

- G1 EXISTING GAS LINE
- G2 PROPOSED GAS LINE PER CENTERPOINT ENERGY SPECIFICATIONS
- G3 5M METER PER CENTERPOINT ENERGY.
- G4 PROPOSED GAS SERVICE LINE PER CENTERPOINT ENERGY SPECIFICATIONS.
- G5 CAP GAS LINE PER FUTURE CONNECTION TO FIRE PIT BY PARKS DEPT.

S - SANITARY SEWER

- S1 PROPOSED 6" PVC SANITARY LATERAL @ 1.04% MIN. SLOPE.
- S2 EXISTING SANITARY LINE
- S3 PROPOSED SANITARY MANHOLE (PER TOWN OF MCCORDSVILLE STANDARD DETAILS)
- S4 EXISTING SANITARY MANHOLE TO REMAIN. PROTECT DURING CONSTRUCTION.
- S5 PROPOSED OS-100 OIL SEPARATOR BY STRIEM. (INSTALL PER MANUFACTURERS SPECIFICATIONS AND STANDARDS)
- S6 EXISTING FORCE MAIN
- S7 PROTECT EXISTING SANITARY LIFT STATION AREA DURING CONSTRUCTION.
- S8 CONNECT TO EXISTING WYE FITTING

T - TELECOM

- T1 FIBER OPTIC OR TELECOM LINE (SEE PLANS BY HEAPY ENGINEERING)
- T2 FIBER OPTIC UTILITY HANDHOLE (PER NINESTAR SPECIFICATIONS)
- T3 FIBER OPTIC LINE (PER NINESTAR SPECIFICATIONS)
- T4 (2) 2" SCHEDULE 40 PVC CONDUIT TELECOM LINE. (SEE MEP PLANS) (BURY DEPTH 24")
- T5 (2) 4" SCHEDULE 40 PVC CONDUIT FOR TELECOM LINE
- T6 FIBER VAULT BY NINESTAR

W - WATER / FIRE PROTECTION

- W1 EXISTING 16" WATER LINE
- W2 EXISTING AIR RELIEF VALVE
- W3 EXISTING FIRE HYDRANT (ADJUST TO FINISH GRADE)
- W4 6" TAPPING SLEEVE & VALVE
- W5 PROPOSED 6" C900 PVC WATER LINE
- W6 PROPOSED FIRE DEPARTMENT CONNECTION
- W7 PROPOSED P.I.V. (POST INDICATOR VALVE)
- W8 PROPOSED 6" X 4" REDUCER
- W9 PROPOSED 2" WATER ISOLATION VALVE PER CEG SPECIFICATIONS
- W10 PROPOSED 2" DOMESTIC C900 WATER SERVICE LINE
- W11 PROPOSED 6" X 6" X 2" TEE
- W12 PROPOSED 4" C900 FIRE SERVICE LINE

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

RQAW

DCCM

A&F ENGINEERING
Transportation Engineering Services
Creating Order Since 1966

95% CD SET - Not For Construction

TOWN OF McCORDSVILLE

McCORDSVILLE POLICE STATION

7520 CIVIC DRIVE, MCCORDSVILLE, IN 46055

#	Revision	Date

Project #: 717000.1

Designed By: MM

Drawn By: SO

Checked By: KC

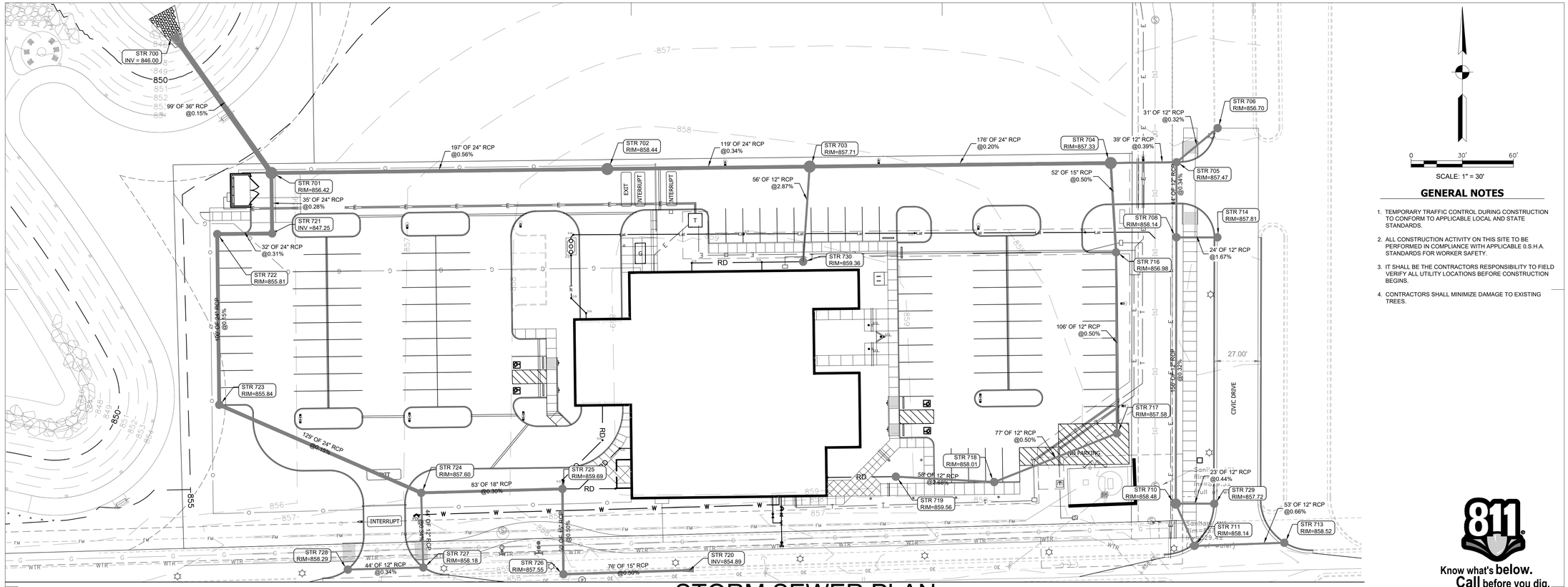
Date: 04/21/23

NOT FOR CONSTRUCTION

N

UTILITY PLAN

C502



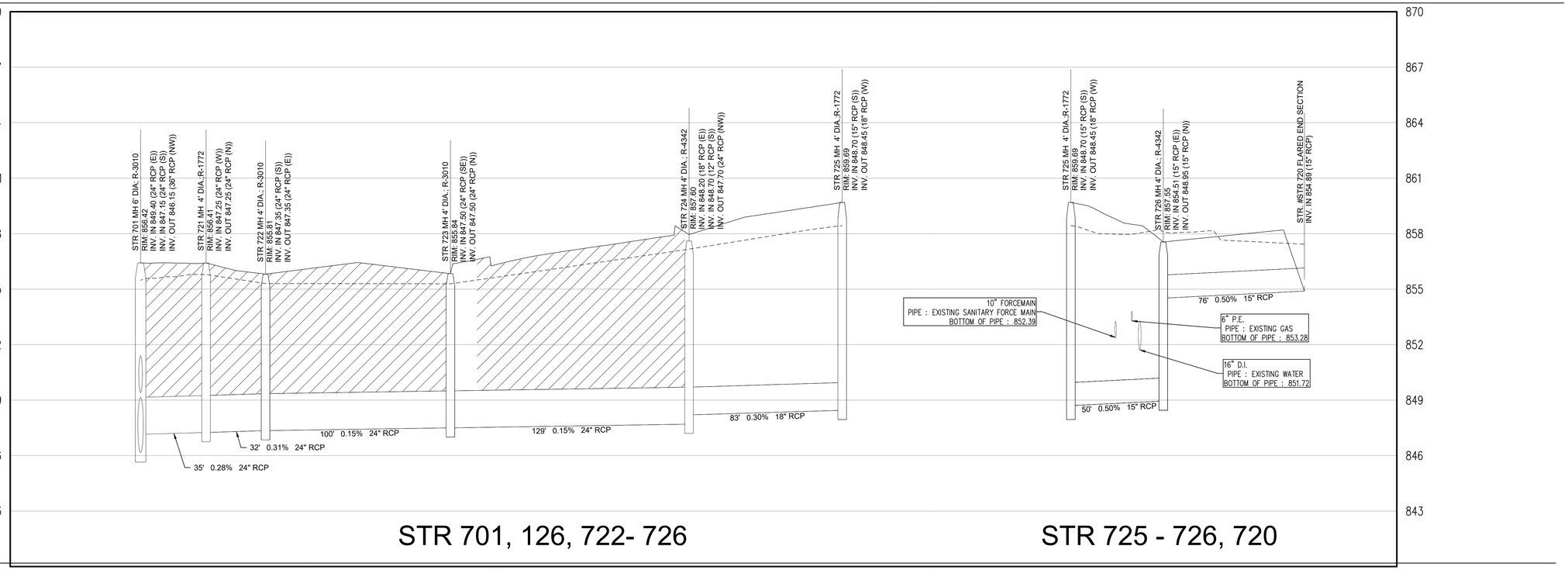
STORM SEWER PLAN

SCALE: 1" = 30'

GENERAL NOTES

1. TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION TO CONFORM TO APPLICABLE LOCAL AND STATE STANDARDS.
2. ALL CONSTRUCTION ACTIVITY ON THIS SITE TO BE PERFORMED IN COMPLIANCE WITH APPLICABLE O.S.H.A. STANDARDS FOR WORKER SAFETY.
3. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY ALL UTILITY LOCATIONS BEFORE CONSTRUCTION BEGINS.
4. CONTRACTORS SHALL MINIMIZE DAMAGE TO EXISTING TREES.

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



LEGEND		
Existing Grade	New Grade	Granular Backfill

STORM SEWER PROFILE

SCALE: HORZ.: 1" = 30' / VERT.: 1" = 3'

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TOWN OF McCORDSVILLE

McCORDSVILLE POLICE STATION

7520 CIVIC DRIVE, MCCORDSVILLE, IN 46055

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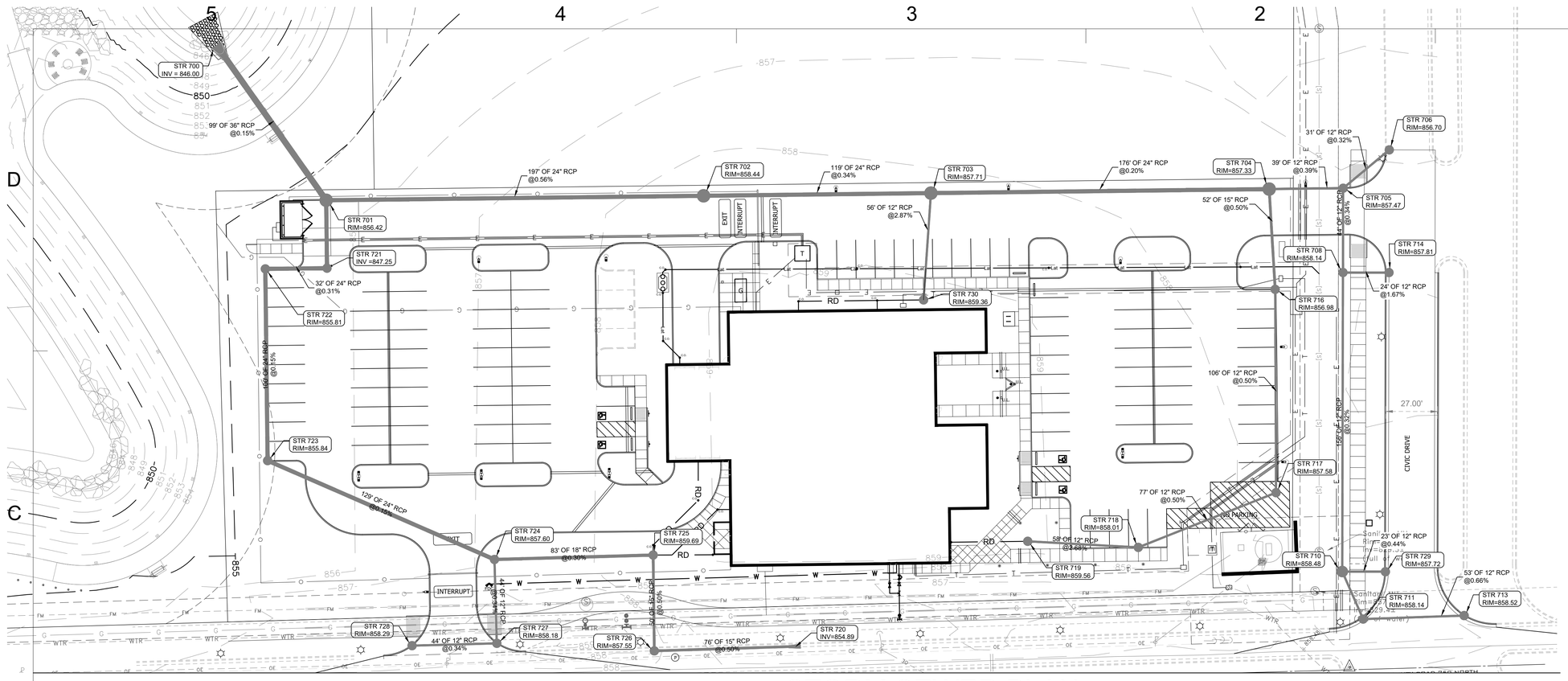
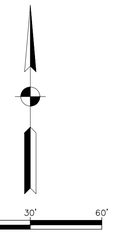
NOT FOR CONSTRUCTION

STORM P&P

C701

STORM SEWER PLAN





SCALE: 1" = 30'

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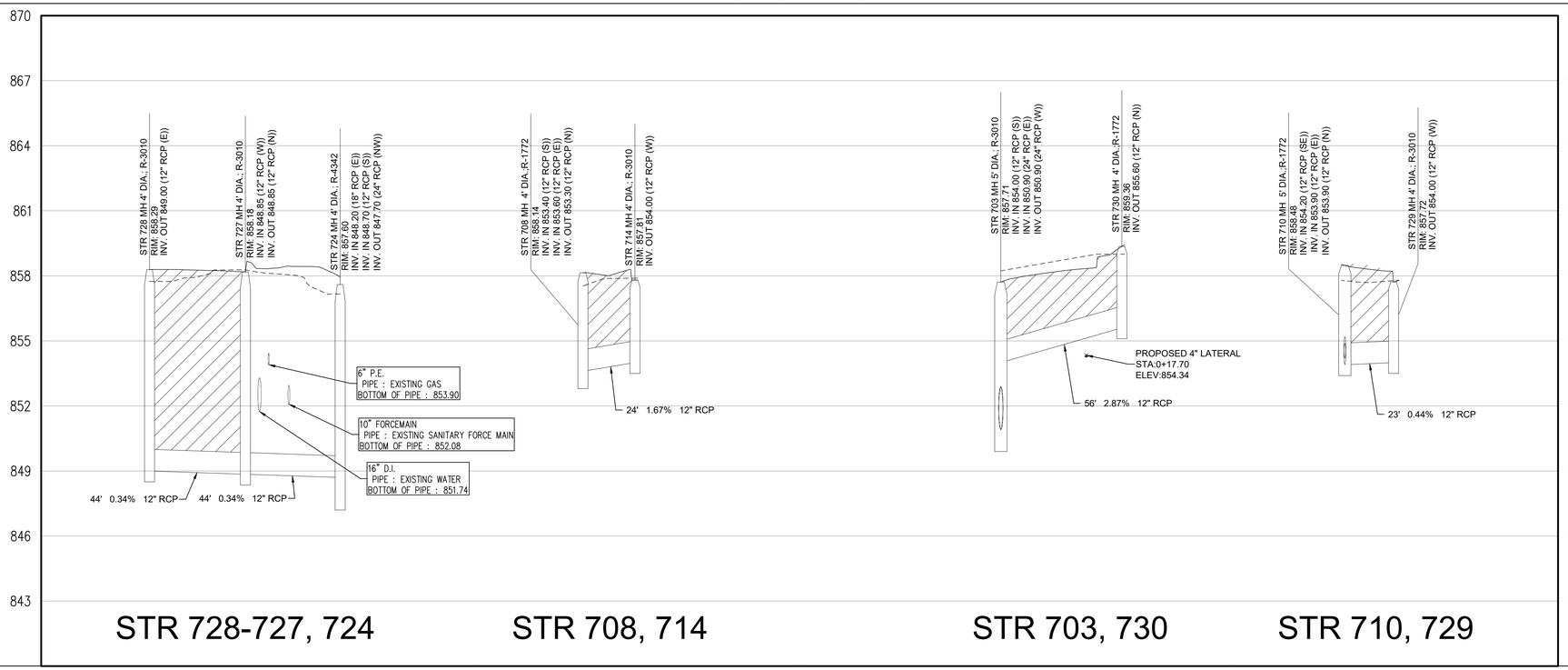
STORM SEWER PROFILE



LEGEND

Existing Grade	New Grade	Granular Backfill

SCALE: HORZ.: 1" = 30' / VERT.: 1" = 3'

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TOWN OF McCORDSVILLE

McCORDSVILLE POLICE STATION

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#	Revision	Date

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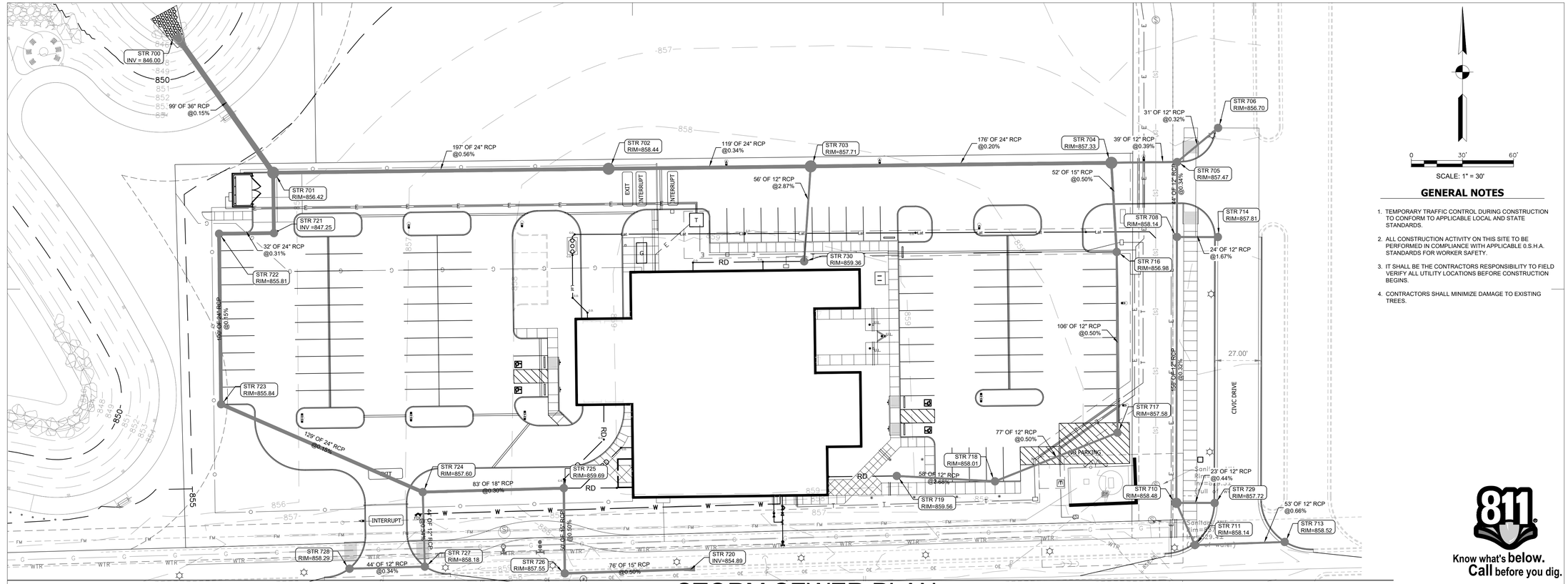
Drawn By: SO
Checked By: KC
Date: 04/21/23

NOT FOR CONSTRUCTION

N

STORM P&P

C702



STORM SEWER PLAN

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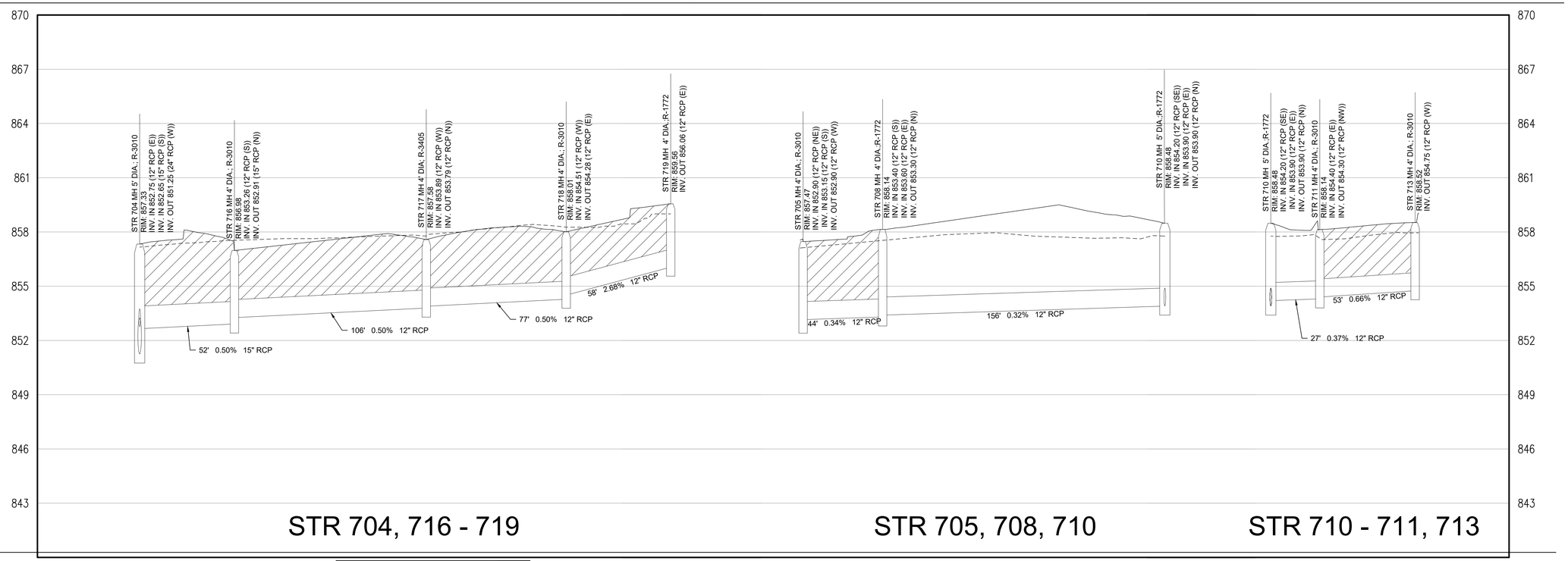

STR 704, 716 - 719

STR 705, 708, 710

STR 710 - 711, 713

LEGEND

Existing Grade	New Grade	Granular Backfill

STORM SEWER PROFILE

SCALE: HORZ.: 1" = 30'
VERT.: 1" = 3'

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

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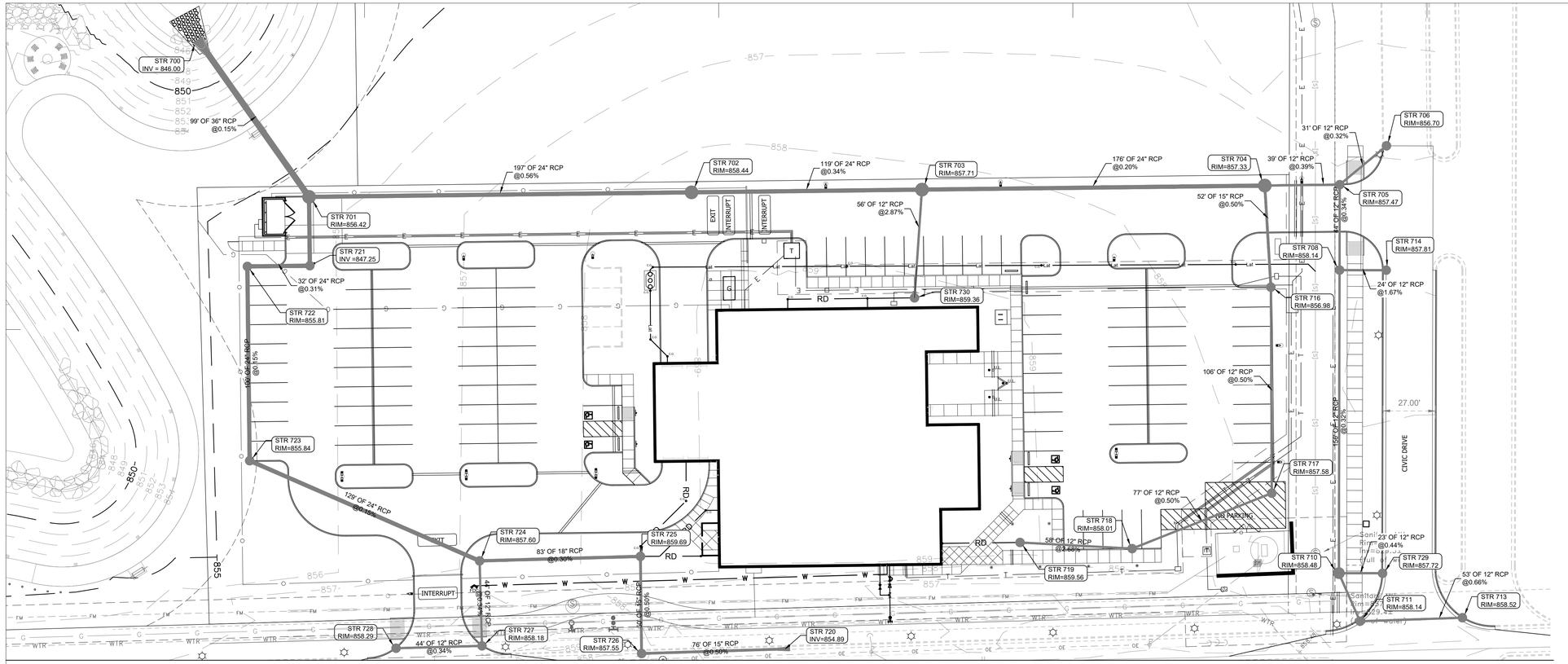
NOT FOR CONSTRUCTION

STORM P&P

C703



STORM SEWER PLAN

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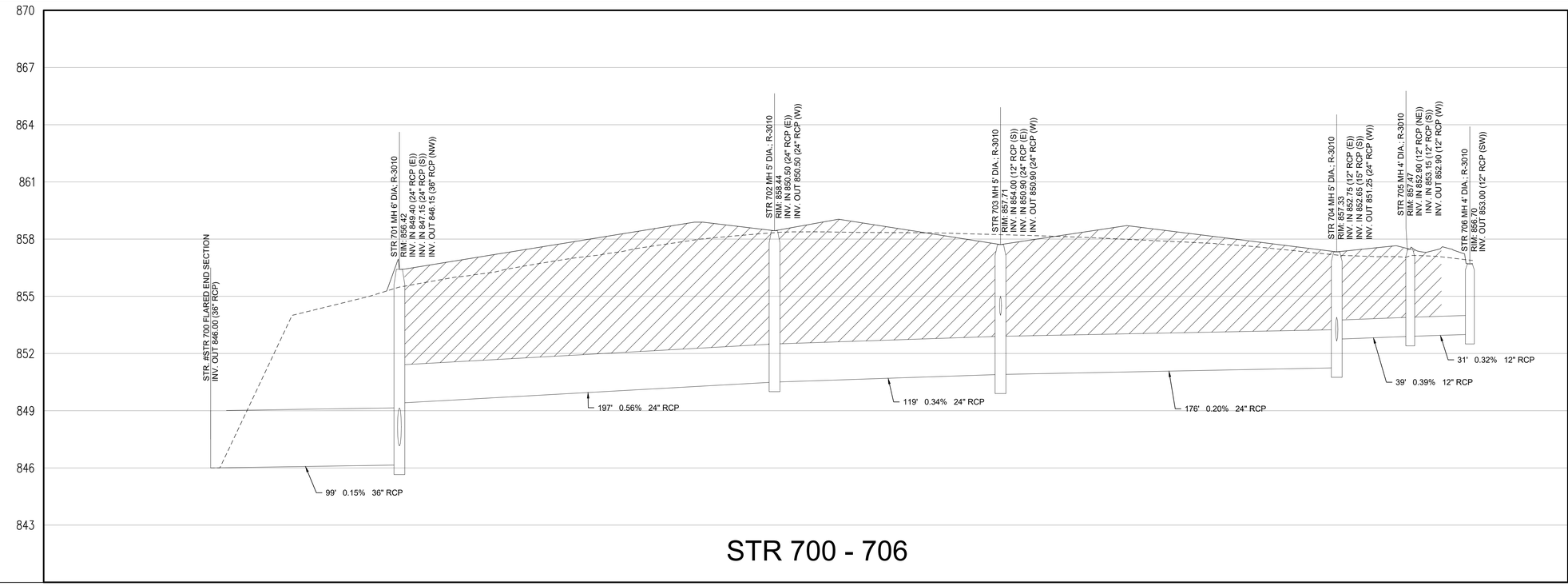

STR 700 - 706

LEGEND

Existing Grade	New Grade	Granular Backfill

STORM SEWER PROFILE

SCALE: HORZ.: 1" = 30' / VERT.: 1" = 3'

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TOWN OF McCORDSVILLE

McCORDSVILLE POLICE STATION

7520 CIVIC DRIVE, MCCORDSVILLE, IN 46055

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Designed By: MM
Drawn By: SO
Checked By: KC
Date: 04/21/23

NOT FOR CONSTRUCTION

N

STORM P&P

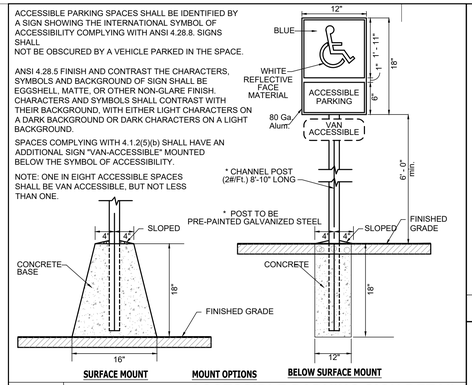
C704

ACCESSIBLE PARKING SPACES SHALL BE IDENTIFIED BY A SIGN SHOWING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY COMPLYING WITH ANSI 4.28.8. SIGNS SHALL NOT BE OBSCURED BY A VEHICLE PARKED IN THE SPACE.

ANSI 4.28.5 FINISH AND CONTRAST THE CHARACTERS, SYMBOLS AND BACKGROUND OF SIGN SHALL BE EGGSHELL, MATTE, OR OTHER NON-GLARE FINISH. CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND, WITH EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND.

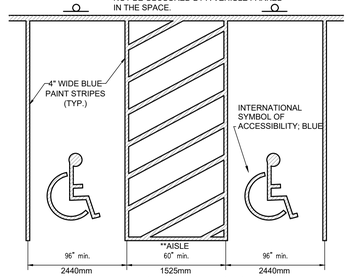
SPACES COMPLYING WITH 4.1.2(5)b SHALL HAVE AN ADDITIONAL SIGN "VAN-ACCESSIBLE" MOUNTED BELOW THE SYMBOL OF ACCESSIBILITY.

NOTE: ONE IN EIGHT ACCESSIBLE SPACES SHALL BE VAN ACCESSIBLE, BUT NOT LESS THAN ONE.



1 ACCESSIBLE PARKING SIGN DETAIL
SCALE: NONE

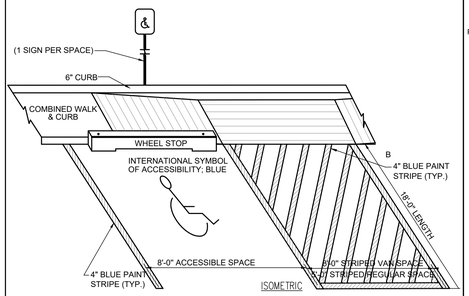
ACCESSIBLE PARKING SPACES SHALL BE IDENTIFIED BY A SIGN SHOWING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY COMPLYING WITH ANSI 4.28.8. SIGNS SHALL NOT BE OBSCURED BY A VEHICLE PARKED IN THE SPACE.



**5'-0" MIN. AISLE FOR REGULAR SPACE
**8'-0" MIN. AISLE FOR VAN ACCESSIBLE SPACE
SEE SITE PLAN FOR ACTUAL DIMENSIONS

NOTE: ONE IN EIGHT ACCESSIBLE SPACES SHALL BE VAN ACCESSIBLE, BUT NOT LESS THAN ONE.

2 ACCESSIBLE PARKING SPACE
SCALE: NONE

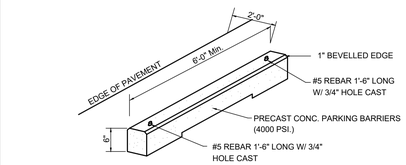


3 ACCESSIBLE PARKING W/ DEPRESSED CURB RAMP
SCALE: NONE

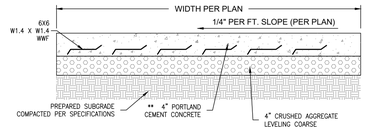
CURB - PAINTED YELLOW 6" TOP AND SIDE, OR 6" WIDE STRIPE WITH NO CURB

"NO PARKING" STENCIL
WITH "NO PARKING ANY TIME" SIGN - SPACED 50'

4 PAVEMENT MARKING DETAILS
SCALE: NONE



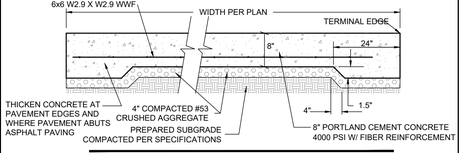
5 CONCRETE PARKING BUMPER
SCALE: NONE



WITH LEVELING COARSE

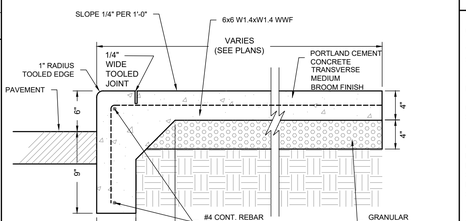
** 4" OF 4000 P.S.I. CONCRETE WITH 6 X 6 W1.4 X W1.4 WWF REINFORCEMENT ON PREPARED SUBGRADE. PROVIDE SCORED JOINTS AS SHOWN ON SITE PLAN OR AT INTERVALS NOT TO EXCEED THE WIDTH OF THE WALK. PROVIDE 1/2" EXPANSION JOINTS EVERY 50' MINIMUM AND WHERE SIDEWALK ABUTTS CONCRETE PAVEMENT, CURBS, AND VERTICAL SURFACES SUCH AS WALLS. MEDIUM BROOM FINISH TO BE APPLIED IN TRANSVERSE DIRECTION. EXPANSION JOINTS SHALL BE SEALED WITH A BACKER ROD AND SILICON JOINT SEALER.

6 CONCRETE WALK
SCALE: NONE



REINFORCED

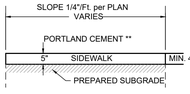
7 HEAVY DUTY CONCRETE PAVEMENT
SCALE: NONE



1. PROVIDE 1/4" WIDE, 1" DEEP TRANSVERSE SCORED JOINTS AS SHOWN ON SITE PLAN OR AT INTERVALS NOT TO EXCEED THE WIDTH OF THE WALK. EXTEND TRANSVERSE JOINTS THROUGH CURB TOP AND FACE.
2. COMPACTED SUBGRADE - THE UPPER 6" SHALL COMPLY WITH THE DENSITY REQUIREMENTS OF THE CONTRACT IMMEDIATELY PRIOR TO PLACING THE MATERIAL THEREON. ALL SOFT, YIELDING OR OTHER UNSUITABLE MATERIAL, WHICH CANNOT BE COMPACTED SATISFACTORILY, SHALL BE REMOVED. ALL ROCK ENCOUNTERED SHALL BE REMOVED OR BROKEN OFF AT LEAST 6" BELOW THE SUBGRADE SURFACE. ANY HOLES OR DEPRESSIONS RESULTING FROM THE REMOVAL OF UNSUITABLE MATERIAL, SHALL BE FILLED WITH SATISFACTORY MATERIAL AND COMPACTED TO CONFORM WITH THE SURROUNDING SUBGRADE SURFACE.

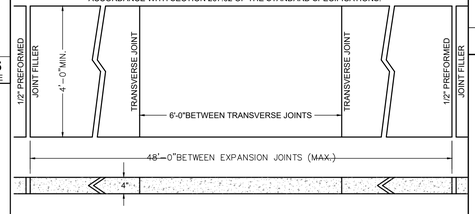
8 COMBINED WALK AND CURB
SCALE: NONE

** 5" OF 4000 P.S.I. CONCRETE ON PREPARED SUBGRADE. PROVIDE SCORED JOINTS AS SHOWN ON SITE PLAN OR AT INTERVALS NOT TO EXCEED THE WIDTH OF THE WALK. PROVIDE 1/2" EXPANSION JOINTS EVERY 50' MINIMUM AND WHERE SIDEWALK ABUTTS CONCRETE PAVEMENT, CURBS, AND VERTICAL SURFACES SUCH AS WALLS. MEDIUM BROOM FINISH TO BE APPLIED IN TRANSVERSE DIRECTION. EXPANSION JOINTS SHALL BE SEALED WITH A BACKER ROD AND SILICON JOINT SEALER.

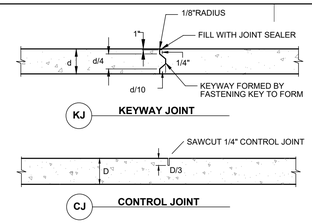


* THE SPACE BEHIND THE CURB SHALL BE FILLED WITH SUITABLE MATERIAL TO THE REQUIRED ELEVATION AND COMPACTED IN LAYERS NOT TO EXCEED 6" IN DEPTH.

SUBGRADE UNDER ALL CURB, SIDEWALK, AND DRIVES SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 207.02 OF THE STANDARD SPECIFICATIONS.



9 CONCRETE SIDEWALK DETAIL
DCAM 14-01 SCALE: NONE



NOTE: PROVIDE WHERE SHOWN ON PLANS AND WHERE PAVEMENT ABUTS A VERTICAL SURFACE, BUILDING FOUNDATION, EXISTING OR PROPOSED PAVEMENTS, CURBS AND WALKS.

10 CONCRETE JOINT DETAILS
SCALE: NONE

NOTES:

1. When the intersection is not signalized Sidewalk Ramps shall be placed on the residential street side only.
   When intersection is signalized, Sidewalk Ramps shall be placed on both residential street and Arterial street side.
2. Curb cut ramps are to be located as shown on the plans or as directed.
3. Ramps shall be provided at all corners of street intersections where there is existing or proposed sidewalk and curb. Ramps shall also be provided at walk locations in mid-block in the vicinities of Hospitals, Medical Centers, and Athletic Stadiums.
4. Surface texture of the ramp shall be that obtained by a coarse brooming, transverse to the slope of the ramp.
5. Sidewalks shall be ramped where the driveway curb is extended across the walk.
6. Care shall be taken to assure a uniform grade on all ramps with no breaks in grade.
7. Drainage structures shall not be placed in line with ramps. Except where existing drainage structures are being utilized in the new construction, location of the ramp should take precedence over location of drainage structure.
8. The normal gutter line profile shall be maintained through the area of the ramp.
9. Expansion joint for the ramp shall be a maximum 1/2" wide. The top of the joint filler for all ramp types shall be flush with adjacent concrete.
10. Crosswalk and stop line markings, if used, shall be so located as to stop traffic short of ramp crossings.
11. Slope of ramp may be modified when field conditions warrant and when approved by the Department of Transportation.

11 ACCESSIBLE SIDEWALK RAMP
DCAM 14-02 SHEET 3 OF 3 SCALE: NONE

GENERAL NOTES

WHERE SIDEWALK IS CONSTRUCTED IMMEDIATELY ADJACENT TO CURB, THE SURFACE OF THE SIDEWALK SHALL BE CONSTRUCTED 1/2" HIGHER THAN THE TOP OF THE CURB.

TRANSVERSE JOINTS SHALL BE CUT WITH A JOINTER HAVING A RADIUS OF 1/4" OF SPACING AS INDICATED OR DIRECTED.

COST OF TRANSVERSE PREFORMED JOINT FILLER TO BE INCLUDED IN CONTRACT PRICE FOR "CONCRETE SIDEWALK".

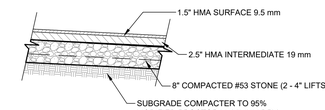
* COMPACTED SUBGRADE - THE UPPER 6 INCHES SHALL COMPLY WITH THE DENSITY REQUIREMENTS OF THE CONTRACT IMMEDIATELY PRIOR TO PLACING THE MATERIAL THEREON. ALL SOFT, YIELDING OR OTHER UNSUITABLE MATERIAL, WHICH CANNOT BE COMPACTED SATISFACTORILY, SHALL BE REMOVED. ALL ROCK ENCOUNTERED SHALL BE REMOVED OR BROKEN OFF AT LEAST SIX (6) INCHES BELOW THE SUBGRADE SURFACE. ANY HOLES OR DEPRESSIONS RESULTING FROM THE REMOVAL OF UNSUITABLE MATERIAL, SHALL BE FILLED WITH SATISFACTORY MATERIAL AND COMPACTED TO CONFORM WITH THE SURROUNDING SUBGRADE SURFACE.

** WHERE SIDEWALK IS CONSTRUCTED ADJACENT TO CURB, THE SPACE BEHIND THE NEW CURB SHALL BE FILLED WITH GRANULAR MATERIAL TO THE REQUIRED ELEVATION AND COMPACTED IN LAYERS NOT TO EXCEED FOUR (4) INCHES.

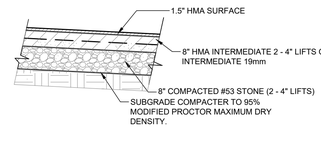
*** WHERE SIDEWALK IS NOT CONSTRUCTED ADJACENT TO THE CURB, THE SPACE BEHIND THE CURB SHALL BE FILLED WITH SUITABLE MATERIAL TO THE REQUIRED ELEVATION AND COMPACTED IN LAYERS NOT TO EXCEED FOUR (4) INCHES.

**** WHEN BUILT IN CONJUNCTION WITH CONCRETE PAVEMENT, EXPANSION AND CONTRACTION JOINTS SHOULD BE PLACED AT THE SAME LOCATIONS AS IN THE PAVEMENT SLAB. THE CURB AND GUTTER SHOULD BE TIED TO THE PAVEMENT BY THE 1/2" ROUND DEFORMED BARS AT ABOUT 3 FOOT INTERVALS. IF NO CONCRETE PAVEMENT IS BEING BUILT, AT THE TIME, THE CURB IS CONSTRUCTED. EXPANSION JOINTS SHOULD BE PLACED AT THE ENDS OF ALL RETURNS AND AT INTERVALS NOT TO EXCEED 100 FEET. CONTRACTION JOINTS SHOULD BE INSTALLED AT 20 FOOT SPACING.

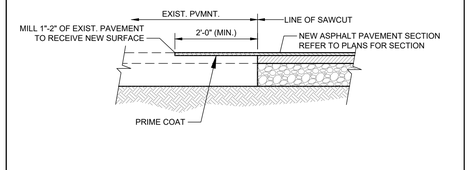
12 GENERAL NOTES
DCAM #12-03 SCALE: NONE



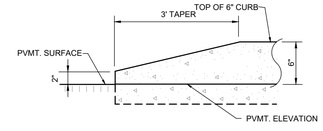
13 ASPHALT PAVEMENT SECTIONS
SCALE: NONE



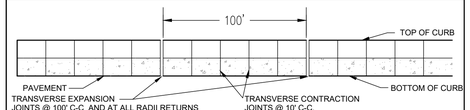
14 HEAVY DUTY PAVEMENT SECTIONS
SCALE: NONE



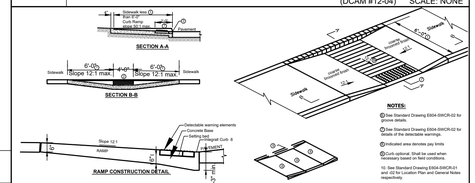
15 NEW PAVEMENT TO EXISTING PAVEMENT DETAIL
SCALE: NONE



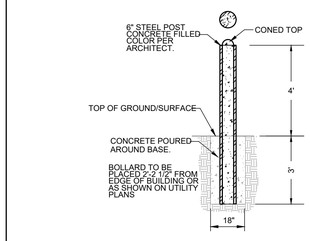
16 CURB END TRANSITION
SCALE: NONE



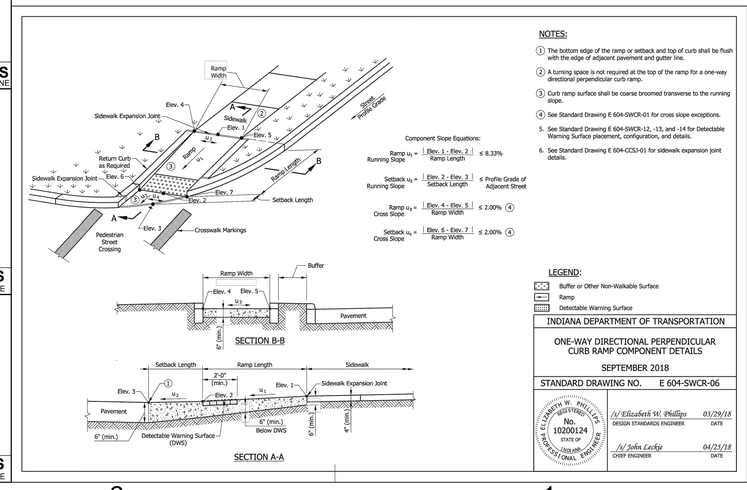
17 CURB JOINT DETAIL
(DCAM #12-04) SCALE: NONE



18 SIDEWALK CURB RAMP TYPE K
INDOT 604-SWCR-10 SCALE: NONE



19 6" CONCRETE FILLED BOLLARD



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Creating Order Since 1966

95% CD SET - Not For Construction

TOWN OF McCORDSVILLE

McCORDSVILLE POLICE STATION

7520 CIVIC DRIVE, MCCORDSVILLE, IN 46055

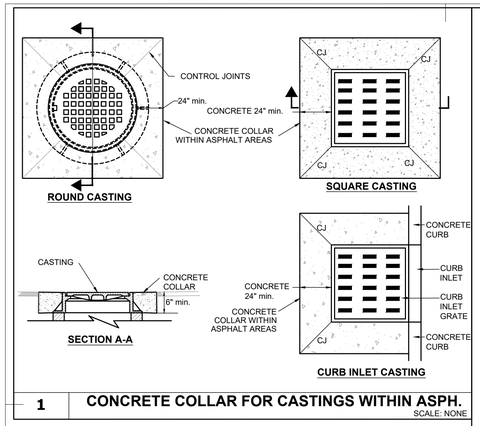
#	Revision	Date

Project #: 717000.1
Designed By: MM
Drawn By: SO
Checked By: KC
Date: 04/21/23

NOT FOR CONSTRUCTION

SITE DETAILS

C901



1 **CONCRETE COLLAR FOR CASTINGS WITHIN ASPH.**
SCALE: NONE

OS-100
OIL SEPARATOR
Installation, Operation, & Maintenance Guide

STRIEM

OVERVIEW
Striem OS series model OS-100 is a 100 GPM polyethylene oil separator intended for above- or below-grade installation. It is designed to separate oil and other immiscible lighter-than-water contaminants from wastewater and keep them from entering the sewage system.

OPERATION
Oily wastewater enters through the inlet connection. As the wastewater moves through the unit, solids and immiscible lighter-than-water contaminants are separated based on Stokes' Law. Immiscible, lighter-than-water droplets rise out of the wastewater stream, while sediment and sludge settle to the bottom.

LIFETIME WARRANTY
Our products are designed to last the lifetime of the plumbing system in which they are installed. If they don't, we will repair or replace them at no charge. Product damage due to normal wear and tear may be repaired or replaced at a reasonable charge. See website for full details.

OS-100
OS SERIES
100 GPM
OIL SEPARATOR

913-222-1500 HELP@STRIEMCO.COM STRIEMCO.COM
CUSTOMER SERVICE HOURS: 8 AM - 5 PM CST

LIFETIME GUARANTEED

BUILT IN KANSAS CITY

MAINTENANCE
1. Always take proper care to ensure a safe and healthy environment while maintaining the oil separator. Avoid the presence of sparks or open flames while maintaining the unit.
2. Remove covers.
3. Contact a professional pumper contractor to remove all contents of the oil separator, including oil, sediment, and wastewater.
4. Clean the drain lines and diffusers thoroughly of all debris.
5. Fill OS-100 with water to outlet invert.
6. Inspect cover gaskets for wear and tear and replace covers.
7. Dispose of contents per local code.

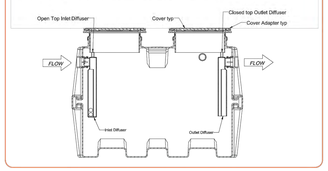
PUMPING FREQUENCY*
OS-100 must be maintained prior to reaching maximum oil or sediment capacity for the unit to continue working efficiently.

Pumping frequency depends on the amount of oil and sediment in the wastewater. Monitor oil and sediment levels to determine site specific maintenance schedule requirements.

Oil levels can be tested with a core sampler. Striem recommends a minimum pumping frequency of 6 months.

TROUBLESHOOTING TIPS
Slower than usual drainage may indicate a blockage and a need to maintain the oil separator. Ensure the drain lines and diffusers are cleared of all debris in the presence of slow drainage.

Effluent flow fouled with free oil may indicate the OS-100 has exceeded the maximum oil capacity. In the presence of oil in the effluent flow, maintain the unit immediately.



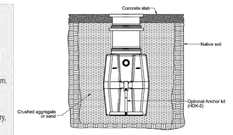
WARNING
DO NOT AIR PRESSURE TEST UNIT!
DOING SO MAY RESULT IN PROPERTY DAMAGE, SERIOUS BODILY INJURY, OR DEATH!
Refer to Installation instructions for correct testing procedure.

LEAK/SEAL TESTING
Do not air test unit or Teleglide Riser system! Doing so may result in property damage, personal injury or death.

To perform a leak/seal test on the base unit, cap/plug all plumbing connections, remove the cover, and fill the unit with water just above the highest connection. Inspect unit and connections for leaks. Check water level at specific time intervals per local code.

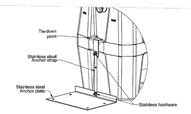
BELOW GRADE INSTALLATION INSTRUCTIONS

EXCAVATION
1. Surrounding soil must be undisturbed soil or well compacted engineering fill.
2. Width and length of excavation shall be minimum 12" greater than the tank on all sides.
3. Depth of excavation shall be 6" deeper than tank bottom.
4. Anchor kit is recommended for installations in high water table conditions to prevent float out. To be determined by specifying engineer. If necessary, order optional "High Water Anchor Kit (HDK-2)". *See detail below.*



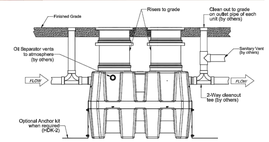
EXCAVATION AND BACKFILL DETAIL (INTERIOR OR EXTERIOR)

ANCHOR KIT INSTALLATION STEPS
1. Slide "Anchor Strap" over tie down point on end wall and bolt together using provided hardware.
2. Bolt "Anchor Strap" to "Anchor Plate" using provided hardware.
3. Cut excess stainless steel anchor strap with 4" grinder with a metal cutoff wheel.
4. Hold down force achieved by backfill weight acting on Anchor Plate.
5. Anchor Plate may be bolted to concrete slab, if required, by using holes provided in Anchor Plate.

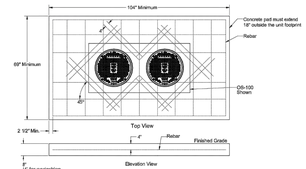


HIGH WATER ANCHOR KIT INSTALLATION DETAIL (HDK-2)

UNIT INSTALLATION
1. Lower and center the unit into the excavated hole. Do not use chains or accessways to move the unit.
2. The water table must not exceed the tank height prior to the addition of risers.
3. Ensure the unit cover is level with finished grade.
4. Fill OS-100 with water before backfilling to stabilize the unit and prevent float out during backfilling.



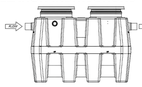
BACKFILLING & FINISHED CONCRETE SLAB
1. Preparation of sub grade per geotech recommendations.
2. Stabilize and compact sub grade to 95% proctor.
3. Before backfilling and pouring of slab, secure covers and risers (if used) to the unit.
4. Place 6" aggregate base under slab. Aggregate should be 3/4" size rock, or sand, with no fines.
5. Backfill using crushed aggregate material approximately 3/4" size rock, or sand, with no fines.
6. Thickness of concrete around cover to be determined by specifying engineer. If traffic loading is required the concrete slab dimensions shown are for guideline purposes only.
7. Concrete to be 28 day compressive strength to 4000 PSI with 6 ± 1% air entrainment.
8. NO. 4 rebar (1/2") grade 60 steel per ASTM A615: connected with tie wire.
9. Rebar to be 2 1/2" from edge of concrete.
10. Rebar spacing 12" grid. 4" spacing around access openings.



CONCRETE SLAB DETAIL FOR TRAFFIC LOADING

ABOVE GRADE INSTALLATION INSTRUCTIONS

UNIT INSTALLATION
1. Connect waste piping to unit.
2. Fill OS-100 with water to outlet invert.
3. Ensure cover is properly installed.



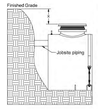
ABOVE & BELOW GRADE INSTALLATION INSTRUCTIONS

FLOW PLATE
- Flow plate is calibrated to rated GPM at 13 ft water column.
- When separator is installed in a low flow or reduced head pressure application, do not install the included flow plate.
- When separator is installed in a high flow or increased head pressure application, install the included flow plate.

TELEGLIDE RISER | INSTALLATION INSTRUCTIONS

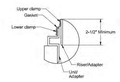
CORRUGATED PIPE RISER KIT (CPRK) AVAILABLE AS ALTERNATE RISER SOLUTION. SEE CPRK INSTALLATION INSTRUCTIONS FOR MORE DETAILS.

1
- Place OS-100 so that the pipe connections line up with jobsite piping.
- Measure dimension X to determine riser height needed.
- Select the required risers from the adjacent table. Riser chart shows quantity for each tank manway.

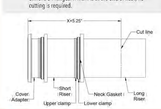


Standard Cover Adapter	
Riser Height Needed	**Risers Required Per Manway**
0" - 5"	None
5" - 21"	SR24 (1)
24" - 39"	SR24 (1)
39" - 43"	SR24 (2)
43" - 58"	SR24 (1), SR24 (1)
58" - 72"	SR24 (2)
72" - 90"	SR24 (1), SR24 (2)
Cover Adapter with Slick Stick™	
0 - 3 1/2"	None
3 1/2" - 21 1/2"	SR24 (1)
21 1/2" - 36 1/2"	SR24 (2)
36 1/2" - 40 1/2"	SR24 (2)
40 1/2" - 55 1/2"	SR24 (1), SR24 (1)
55 1/2" - 69 1/2"	SR24 (2)
69 1/2" - 87 1/2"	SR24 (1), SR24 (2)

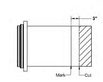
2
- Loosen upper clamp with **nut driver bit (included with tank)**.
- If no risers are needed, adjust cover adapter height as needed.
- Ensure 2-1/2" minimum engagement is maintained.
- If risers are needed, remove covers from cover adapters, and cover adapters from the unit.



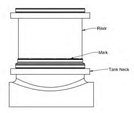
3
- Invert cover adapters into the required risers until they stop.
- Tighten upper clamp to keep risers from shifting. Risers are installed from short to long.
- If using a standard cover adapter, measure the riser height needed, X + 5.25" down the sidewall of the risers.
- If using a cover adapter with Slick Stick™, measure the riser height needed, X + 7.75" down the sidewall of the risers.
- Mark the location with **china marker (included with tank)**.
- Cover adapter may need to be adjusted outward for some elimeters on ranges. If mark is at the end of riser, no cutting is required.



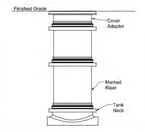
4
- Uninstall cover adapters and risers
- Extend mark made in **step 3** around the circumference of the riser.
- Cut along line with jigsaw, circular saw, or reciprocating saw.
- Make a mark around the circumference of the riser 3" from the cut end of riser.
- If no cuts were needed, make the mark 3" from the bottom of the bottom riser.



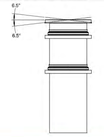
5
- Wipe down all riser and cover adapter sidewalls.
- Insert the first riser into the tank neck until the mark made in **step 4** is in line with the top of the neck gasket. This will ensure your risers reach the finished grade measured in **step 1**.



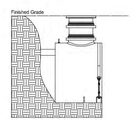
6
- Install risers and cover adapters into the tank neck starting from the marked riser, moving up to finished grade.
- Upper clamps may need to be loosened or removed to aid in assembly.

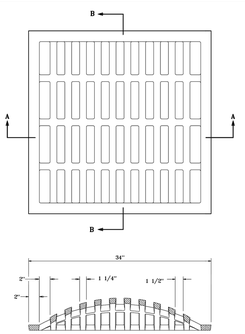


7
- Tighten all clamps to 14 lbs. of torque.
- Reinstall covers on cover adapters.
- If lifting of the cover adapter is required to be flush with finished floor, it must be done after all clamps are tightened. A 6.5° tilt is the maximum.

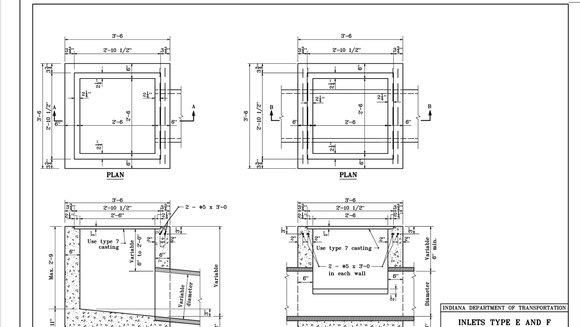


8
- If jobsite riser height conditions change after the previous steps have been completed, there is still room for vertical adjustment.
- As long as the minimum engagement of 2-1/2" on all joints are maintained, the adapters and risers may be adjusted/cut as many times as necessary.





INDIANA DEPARTMENT OF TRANSPORTATION
EARTH DITCH CASTING TYPE 7
SEPTEMBER 1998
STANDARD DRAWING NO. **E 720-EDCA-01**
DETAILS PLACED IN THE PERMIT 11-15-00



INDIANA DEPARTMENT OF TRANSPORTATION
INLETS TYPE E AND F
SEPTEMBER 1997
STANDARD DRAWING NO. **E 720-INST-04**
DETAILS PLACED IN THE PERMIT 11-15-00

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Creating Order Since 1966

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TOWN OF McCORDSVILLE

McCORDSVILLE POLICE STATION

7520 CIVIC DRIVE, MCCORDSVILLE, IN 46055

#	Revision	Date

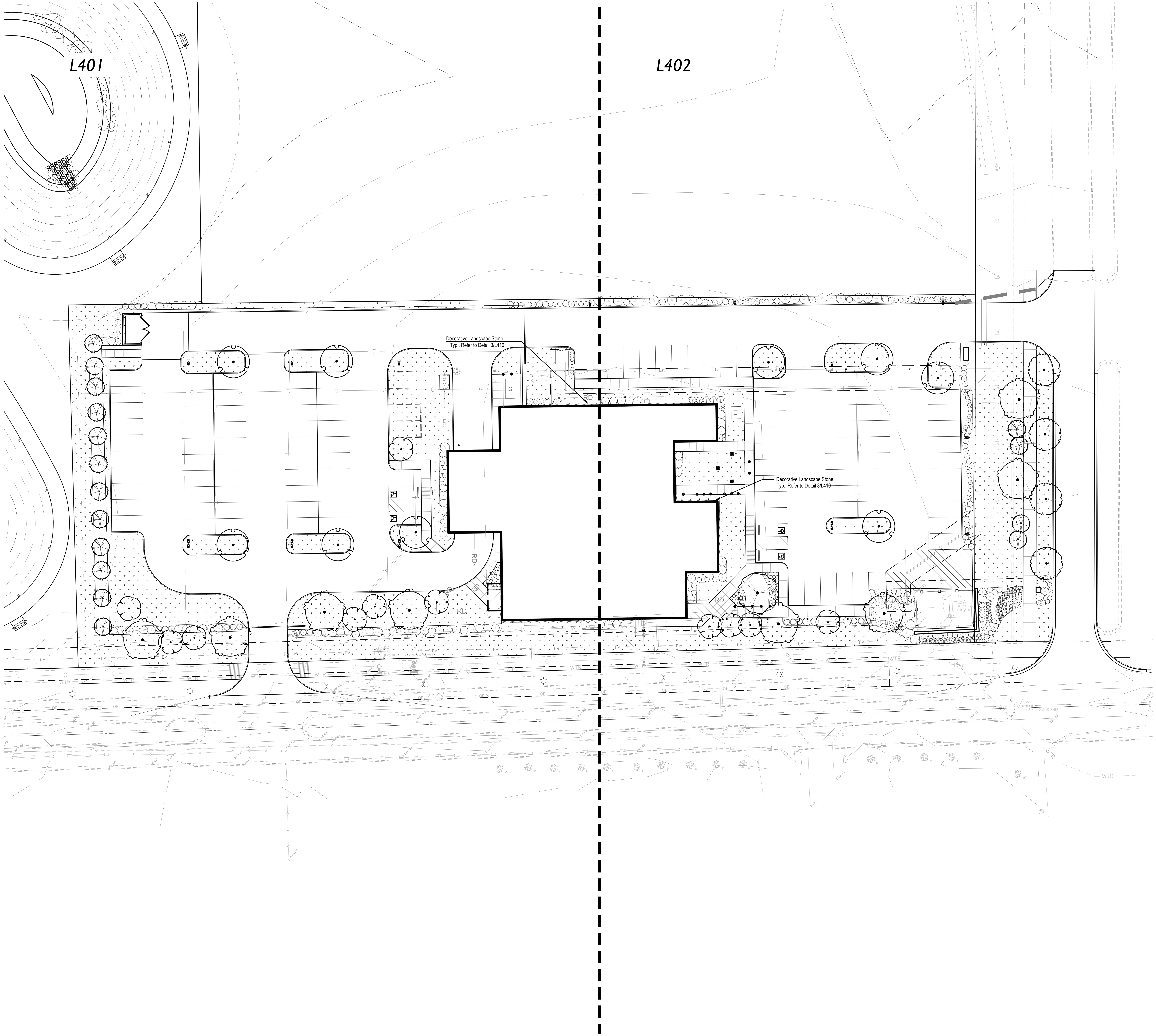
Project #: 717000.1
Designed By: MM
Drawn By: SO
Checked By: KC
Date: 04/21/23

NOT FOR CONSTRUCTION

N

SITE DETAILS

C902



GENERAL LANDSCAPE AND PLANTING NOTES

1. Refer to Project Manual for Planting Specifications and Topsoil requirements. Refer to Plant Schedule and Planting Details for additional information.
2. All materials are subject to the approval of the Landscape Architect and Owner at any time. Landscape Architect to inspect all plant locations and plant bed conditions prior to installation. On-site adjustments may be required.
3. Rootballs shall meet or exceed size standards as set forth in 'American Standards for Nursery Stock'. MAIN LEADERS OF ALL TREES SHALL REMAIN INTACT.
4. Remove from the site any plant material that turns brown or defoliates within five (5) days after planting. Replace immediately with approved, specified material.
5. Plant counts indicated on drawings are for Landscape Architect's use only. Contractor shall make own plant quantity takeoffs using drawings, specifications, and plant schedule requirements (i.e., spacing), unless otherwise directed by Landscape Architect. Contractor to verify bed measurements and install appropriate quantities as governed by plant spacing per schedule. Plant material quantities shown on plan are minimum quantities. Additional material may be needed to meet spacing requirements and field conditions.
6. Seed all areas disturbed by construction activities that are not otherwise noted to receive pavement, planting bed, or sod treatment.
7. The Contractor shall install and/or amend topsoil in all proposed bed areas to meet Specifications. Contractor shall coordinate quantity and placement of topsoil. Landscaper shall verify depth of topsoil prior to plant installation. (Refer to specifications for topsoil source and placement requirements)
8. All tree locations shall be marked with 2x2" stakes prior to planting for review and approval by the Landscape Architect. Any plant material installed in an incorrect location, by the judgment of the Landscape Architect, shall be reinstalled at the Contractor's expense.
9. All plant beds shall receive 3" minimum of shredded hardwood bark mulch (unless otherwise noted).
10. Verify all utility locations in the field prior to beginning work. Repair all damaged utilities to Owner's satisfaction at no additional cost.
11. The Contractor shall maintain all plant material and lawns until the project is fully accepted by the Landscape Architect, unless otherwise noted.
12. All workmanship and materials shall be guaranteed by the Contractor for a period of one calendar year after Final Acceptance.
13. Install all plant material in accordance with all local codes and ordinances. Coordinate with the Owner to obtain any required permits necessary to complete work.
14. Contractor shall test all tree pits for drainage. Any tree pit that holds water for more than 24 hours shall be installed using tree pit drainage.
15. Tree Protection Fencing is the responsibility of the Contractor. Minimum protected area shall include the full drip line of the canopy. NO construction activities, material storage, etc. may occur within that area. The Contractor shall ensure that no soil compaction or tree damage occurs in any Protected areas, at any time during the construction process.
16. Trees shall be matched in groups unless otherwise noted.

Lawn Seeding

3" Mulch Bed with Weed Barrier Geotextile Fabric Refer to Detail 1/L420

North
0 10' 20' 40'
Scale 1" = 20'-0"

context DESIGN
5825 Lawton Loop E. Dr. | Indianapolis, IN 46216
317-485-6900 | www.context-design.com

95% CD SET - Not For Construction

TOWN OF McCORDSVILLE

McCORDSVILLE POLICE HEADQUARTERS

7520 Civic Drive, McCordsville, IN 46055

#	Revision	Date

Project #: 717000.1

Designed By: Designer

Drawn By: AY, JT

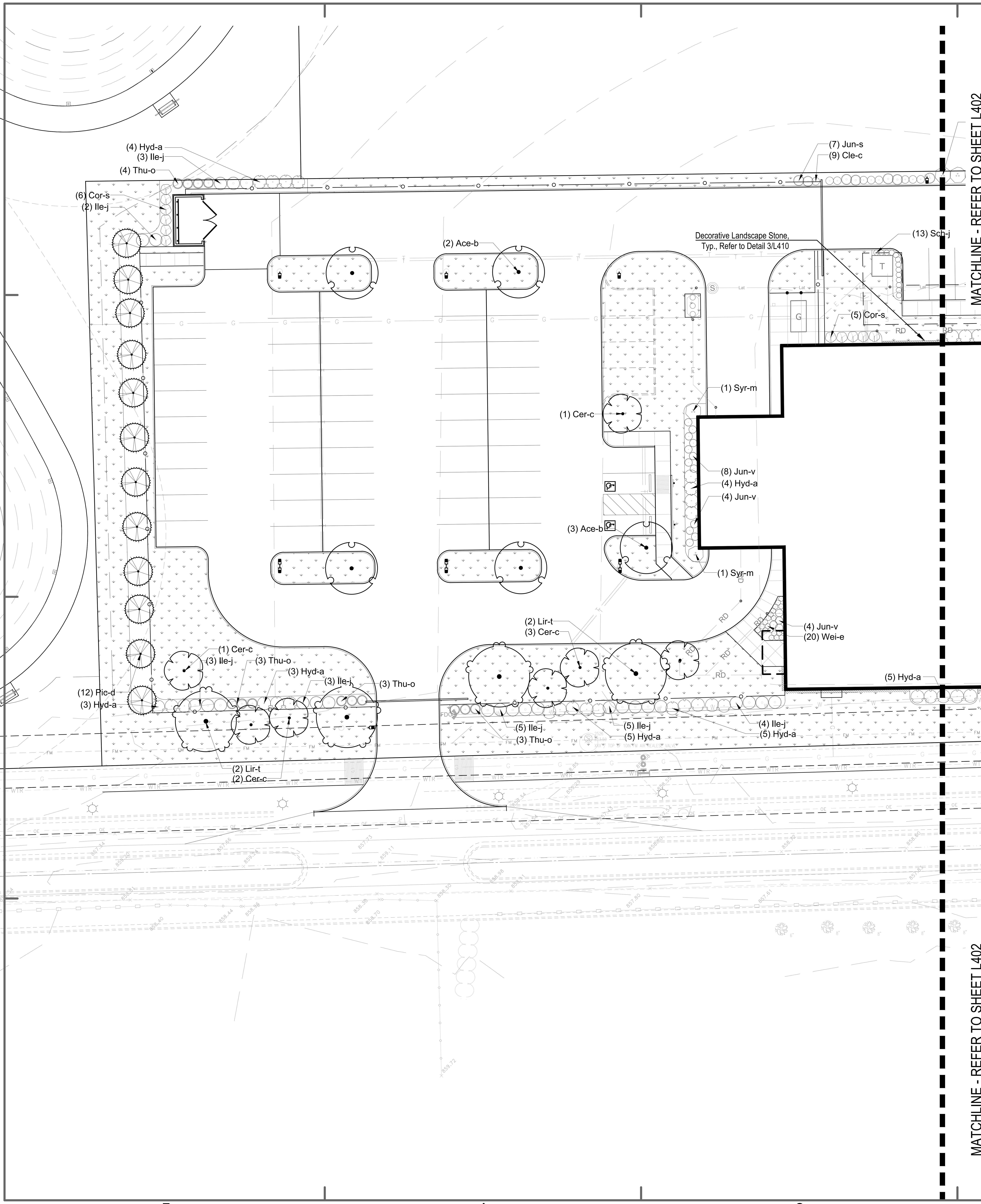
Checked By: LM

Date: 04/21/23

NOT FOR CONSTRUCTION

OVERALL LANDSCAPE PLAN

L400



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3. Rootballs shall meet or exceed size standards as set forth in 'American Standards for Nursery Stock'. MAIN LEADERS OF ALL TREES SHALL REMAIN INTACT.
4. Remove from the site any plant material that turns brown or defoliates within five (5) days after planting. Replace immediately with approved, specified material.
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8. All tree locations shall be marked with 2x2" stakes prior to planting for review and approval by the Landscape Architect. Any plant material installed in an incorrect location, by the judgment of the Landscape Architect, shall be reinstalled at the Contractor's expense.
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16. Trees shall be matched in groups unless otherwise noted.

ORDINANCE COMPLIANCE CHART

ZONING: CR
ADJACENT ZONING
North: CR East: R-2 South: R-2 West: CR

FOUNDATION PLANTINGS
Requirement: Provide a minimum of 30% of the length of each facade with landscape plantings. At least 50% evergreen.
- Required: 410 l.f. x .30 = 123 LF needs planted
- Provided: 233 LF planted area + (89) shrubs

STREET TREES
Requirement: Provide (1) tree per 40 l.f. on center.
- Required: 138 l.f. / 40 l.f. = (4) trees
- Provided: (4) trees

SITE PLANTINGS
Requirement: Provide (5) tree per 1 acre.
- Required: 5 trees x 2.8 acres = (14) trees
- Provided: (45) trees

PERIMETER LANDSCAPE
Requirement: Perimeter landscaping along CR 750N must be 20' wide minimum. Provide 1 shade tree (min. 2" caliper) for every 100 l.f. Provide 2 ornamental trees (min. 2" caliper) for every 100 l.f.
- Required: 529 l.f. / 100 l.f.= (6) shade trees + (11) ornamental trees
- Provided: (6) shade trees + (11) ornamental trees

PARKING LOTS
Interior
Requirement: Provide parking islands every 15 parking stalls and terminal islands at the end of each parking row. Islands should be min. 180 s.f. minimum. Provide (1) tree for every island minimum.
- o Required: 9 island @ 800 s.f. min. = (9) trees
- o Provided: (9) trees

Perimeter:
Requirement: Provide (1) tree per 50 l.f. pf parking lot perimeter. Provide (1) shrub for every 3 l.f. A minimum of 50% of shrubs must be evergreen. All species must be 18" tall at time of planting.
- o Lot A Required:
  - (North): 50 l.f. / 50 l.f. = (1) shade trees + 50 l.f. / 3 l.f. = (17) shrubs
  - (South): 200 l.f. / 50 l.f. = (4) shade trees + 200 l.f. / 3 l.f. = (67) shrubs
  - (West): 155l.f. / 50 l.f. = (4) shade trees + 155 l.f. / 3 l.f. = (52) shrubs
  - (East): N/A
- o Lot A Provided: (12) evergreen trees + (67) shrubs, including 50% evergreen shrubs
  - (North): (17) shrubs + (5) shrubs = (22) shrubs
  - (South): (67) shrubs - (22) shrubs = (45) shrubs
  - (West): (12) evergreen trees
  - (East): N/A
- o Lot B Required:
  - (North): 240 l.f. / 50 l.f. = (5) shade trees + 240 l.f. / 3 l.f. = (80) shrubs
  - (South): 90 l.f. / 50 l.f. = (2) shade trees + 94 l.f. / 3 l.f. = (30) shrubs
  - (West): N/A
  - (East): 127 l.f. / 50 l.f. = (3) shade trees + 127 l.f. / 3 l.f. = (43) shrubs
- o Lot B Provided: (7) trees + (220) shrubs, including 50% evergreen shrubs
  - (North): (80) shrubs - (13) shrubs = (67) shrubs
  - (South): (1) trees + (30) shrubs + (30) shrubs = (60) shrubs
  - (West): N/A
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SIGNAGE
Requirement: Provide 0.5 s.f. of landscape area per 1 s.f. of sign surface area
- Required: TBD
Provided: 1,036 s.f. landscape area + (41) shrubs + (103) groundcover

	MATERIAL KEYNOTES
KEY	DESCRIPTION / REFERENCE
S1	METAL SCREEN WALL, REFER TO DETAILS 1-3/L421
S2	VERTICAL SIGN, REFER TO DETAIL

Lawn Seeding

3" Mulch Bed with Weed Barrier Geotextile Fabric Refer to Detail 1/L420

North
0 10' 20' 40'
Scale 1" = 20'-0"

context DESIGN
5825 Lawton Loop E. Dr. | Indianapolis, IN 46216
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95% CD SET - Not For Construction

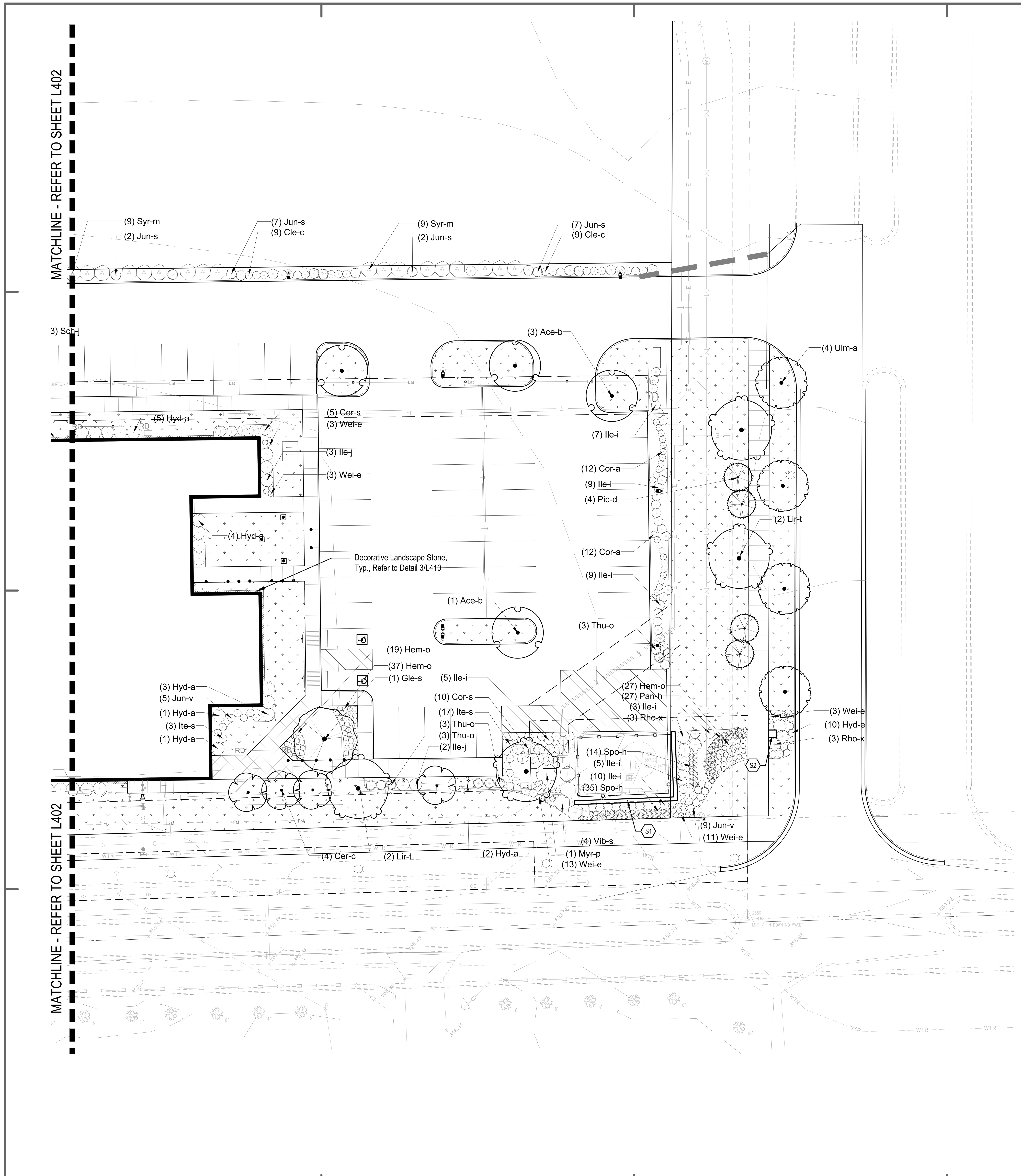
TOWN OF McCORDSVILLE
McCORDSVILLE POLICE HEADQUARTERS
7520 Civic Drive, McCordsville, IN 46055

#	Revision	Date

Project #: 717000.1
Designed By: Designer
Drawn By: AY, JT
Checked By: LM
Date: 04/21/23

NOT FOR CONSTRUCTION

SITE LANDSCAPE PLAN



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Lawn Seeding
3" Mulch Bed with Weed Barrier Geotextile Fabric Refer to Detail 1/L420

North
0 10' 20' 40'
Scale 1" = 20'-0"

context DESIGN
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95% CD SET - Not For Construction

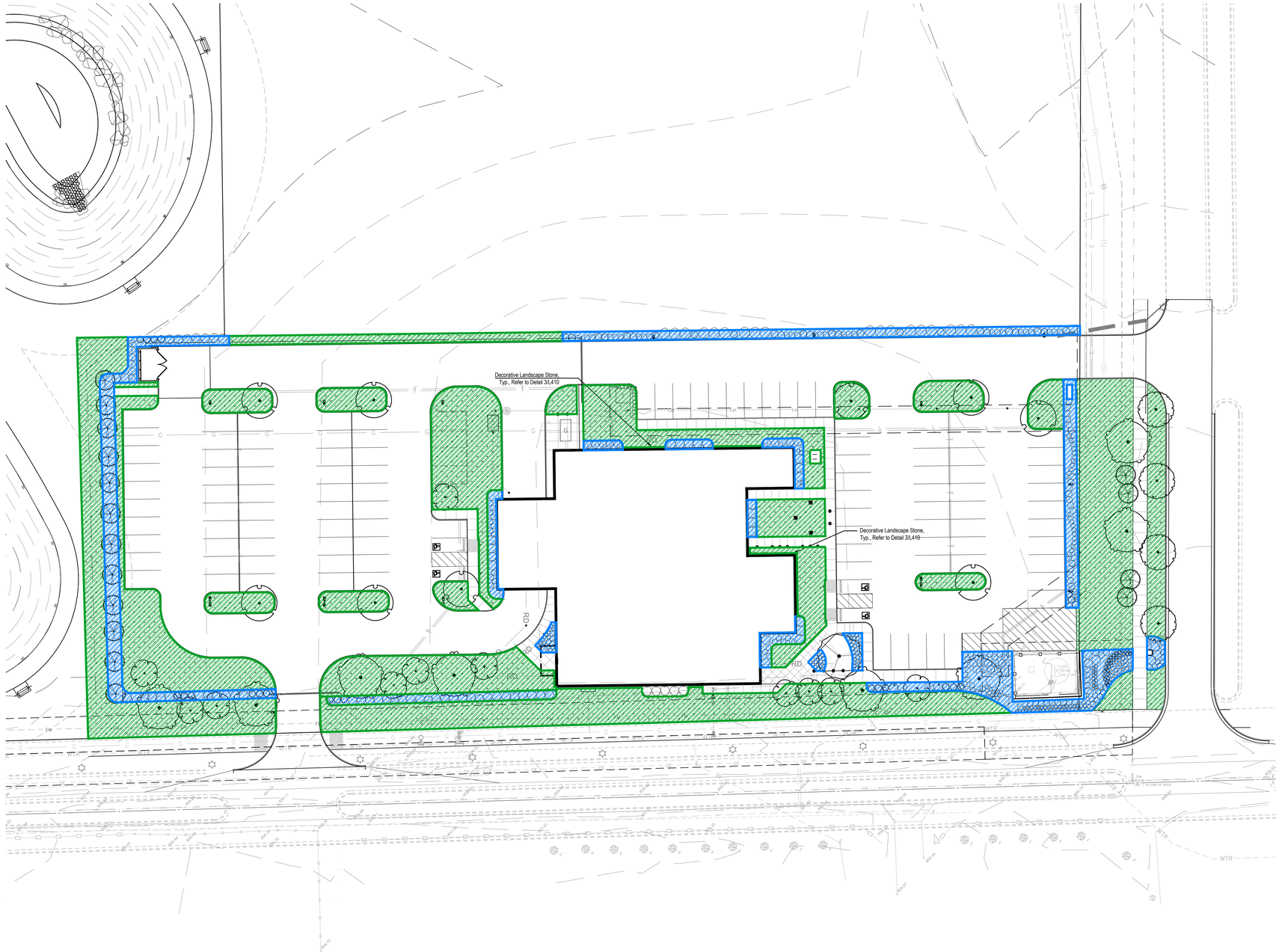
TOWN OF McCORDSVILLE
McCORDSVILLE POLICE HEADQUARTERS
7520 Civic Drive, McCordsville, IN 46055

#	Revision	Date

Project #: 717000.1
Designed By: Designer
Drawn By: AY, JT
Checked By: LM
Date: 04/21/23

NOT FOR CONSTRUCTION
12-31-2023

SITE LANDSCAPE PLAN



IRRIGATION LEGEND

- Turf Areas
- Plant Bed Area

- Lawn Seeding
- 3" Mulch Bed with Weed Barrier Geotextile Fabric Refer to Detail 1/L420

North

0 15' 30' 60'

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TOWN OF McCORDSVILLE

McCORDSVILLE POLICE HEADQUARTERS

7520 Civic Drive, McCordsville, IN 46055

#	Revision	Date

Project #: 717000.1
Designed By: Designer
Drawn By: AY, JT
Checked By: LM
Date: 04/21/23

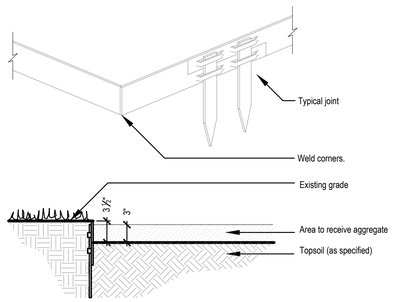
NOT FOR CONSTRUCTION

IRRIGATION INTENT PLAN

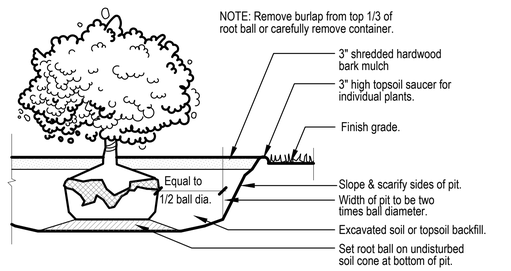
L400

PLANT SCHEDULE

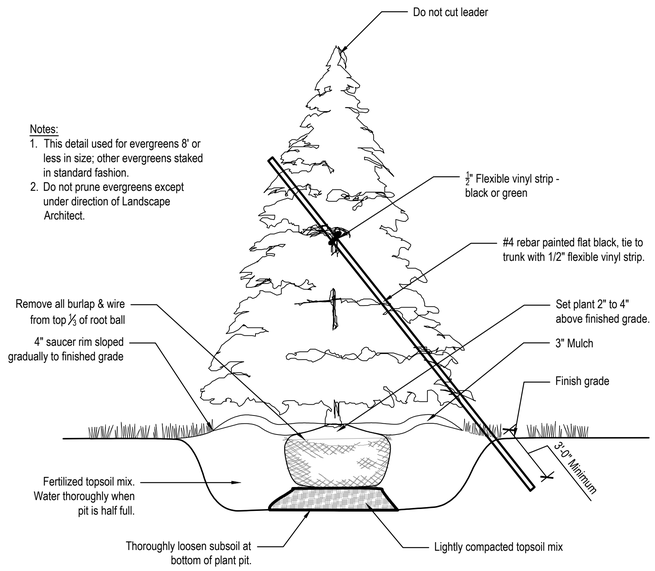
EVERGREEN TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	REMARKS
Pic-d	16	Picea glauca `Densata`	Black Hills Spruce	B & B	min. 6` ht.	full, strong central leader, matched, symmetrical
DECIDUOUS TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	REMARKS
Ace-b	9	Acer x freemanii `Autumn Blaze`	Autumn Blaze Maple	B & B	2"Cal	full, strong central leader, matched
Gle-s	1	Gleditsia triacanthos inermis `Shademaster`	Shademaster Thornless Honeylocust	B & B	2"Cal	full, strong central leader, matched
Lir-t	8	Liriodendron tulipifera	Tulip Tree	B & B	2"Cal	full, strong central leader, matched
Ulm-a	4	Ulmus x americana `Princeton Elm`	Princeton Elm	B & B	2"Cal	full, strong central leader, matched
FLOWERING TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	REMARKS
Cer-c	11	Cercis canadensis	Eastern Redbud	B & B	8` ht.	multi-trunk, matched
SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	HEIGHT	REMARKS
Cle-c	27	Clethra alnifolia `Crystalina`	Sugartina Summersweet	container	24"	space @ 3`-0" o.c.
Cor-s	26	Cornus sericea `Cardinal`	Cardinal Red-twig Dogwood	container	24"	space @ 4`-0" o.c.
Cor-a	24	Cornus stolonifera `Farrow`	Arctic Fire Dogwood	container	24"	space @ 3`-0" o.c.
Hyd-a	45	Hydrangea arborescens `Abetwo`	Incrediball Hydrangea	container	24"	space @ 5`-0" o.c.
Hyd-e	10	Hydrangea macrophylla `Endless Summer`	Bailmer Hydrangea	container	24"	space @ 3`-0" o.c.
Ile-i	48	Ilex glabra 'Compacta'	Compact Inkberry	5 gal		
Ile-j	30	Ilex verticillata `Jim Dandy`	Jim Dandy Winterberry	container	24"	space @ 5`-0" o.c.
Ite-s	20	Itea virginica `Sprich`	Little Henry Virginia Sweetspire	container	24"	space @ 3`-0" o.c.
Jun-s	25	Juniperus scopulorum 'Skyrocket'	Skyrocket Juniper	5 gal		
Jun-v	30	Juniperus virginiana `Grey Owl`	Grey Owl Juniper	container	18" spread	space @ 3`-0" o.c., allow to mass
Myr-p	1	Myrica pensylvanica	Northern Bayberry	container	24"	space @ 8`-0" o.c., allow to mass
Rho-x	6	Rhododendron x `P.J.M.`	PJM Rhododendron	container	24"	space @ 5`-0" o.c.
Syr-m	20	Syringa meyeri `Palibin`	Dwarf Korean Lilac	container	36"	space @ 6`-0" o.c.
Thu-o	22	Thuja occidentalis `Little Giant`	Little Giant Arborvitae	container	24"	space @ 4`-0" o.c.
Vib-s	4	Viburnum plicatum tomentosum `Summer Snowflake`	Summer Snowflake Japanese Snowball	container	36"	space @ 6`-0" o.c.
Wei-e	53	Weigela florida `Elvera`	Elvera Weigela	container	18" spread	space @ 2`-0" o.c.
GRASSES	QTY	BOTANICAL NAME	COMMON NAME	SIZE	HEIGHT	REMARKS
Pan-h	27	Panicum virgatum `Heavy Metal`	Heavy Metal Switch Grass	#1 pot		space @ 2`-6" o.c.
Sch-j	13	Schizachyrium scoparium `Jazz`	Jazz Little Bluestem Grass	#1 pot		space @ 2`-0" o.c.
Spo-h	49	Sporobolus heterolepis	Prairie Dropseed	#1 pot		space @ 2`-0" o.c.
PERENNIALS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	HEIGHT	REMARKS
Hem-o	83	Hemerocallis x 'Stella de Oro'	Stella de Oro Daylily	#1 pot		



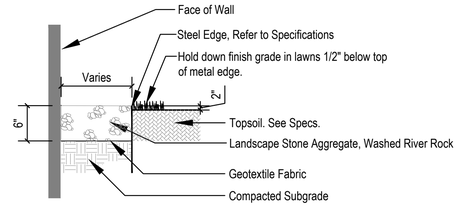
7 METAL EDGE
Not to Scale



6 SHRUB PLANTING
Not to Scale



5 TREE PLANTING (EVERGREEN)
Scale: Not to Scale



4 DECORATIVE LANDSCAPE STONE
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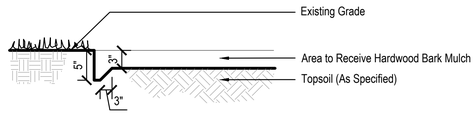
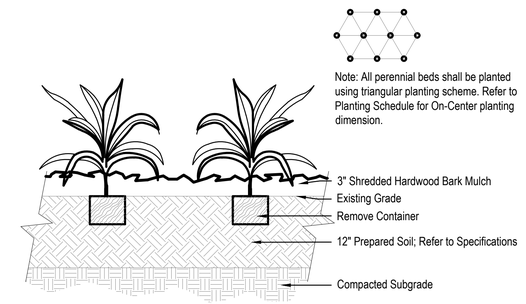
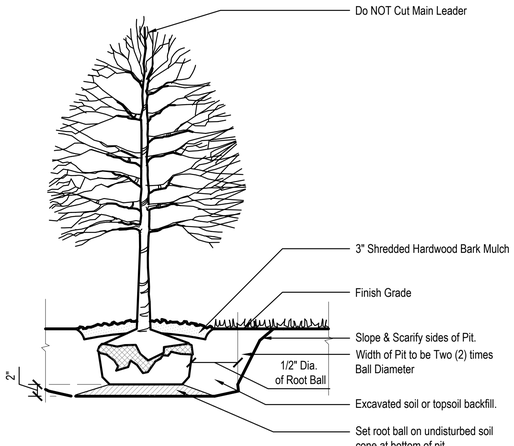


3 SPADE EDGE
Not to Scale



2 PERENNIAL PLANTING
Not to Scale



1 TREE PLANTING (DECIDUOUS)
Not to Scale

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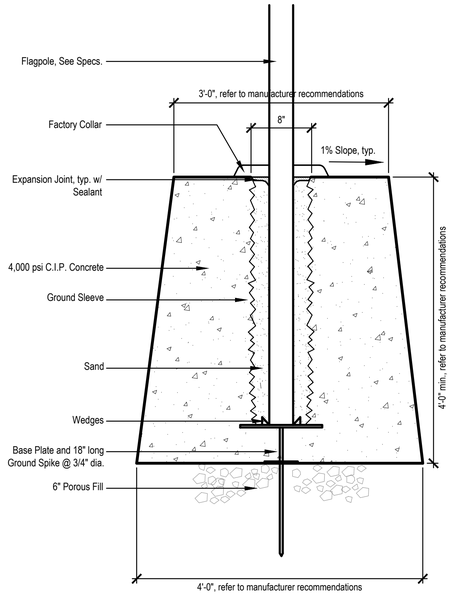
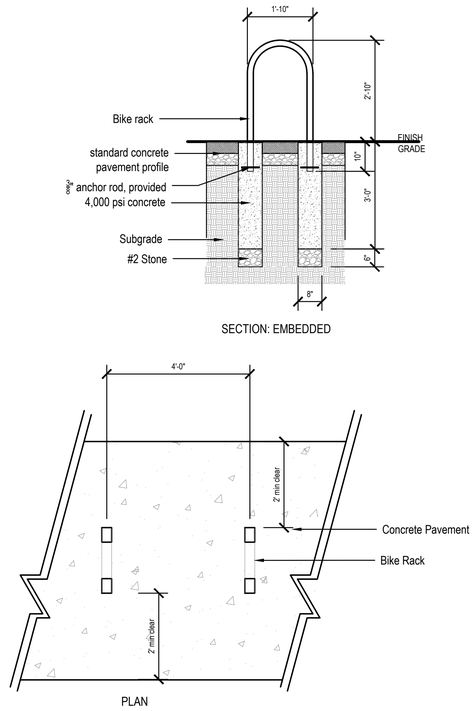
LANDSCAPE DETAILS

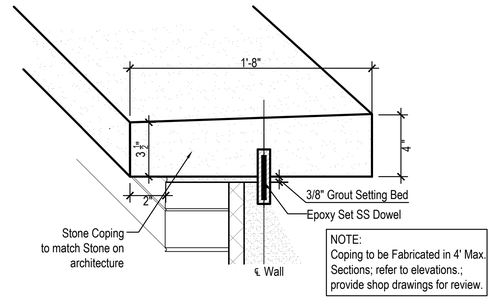
L420



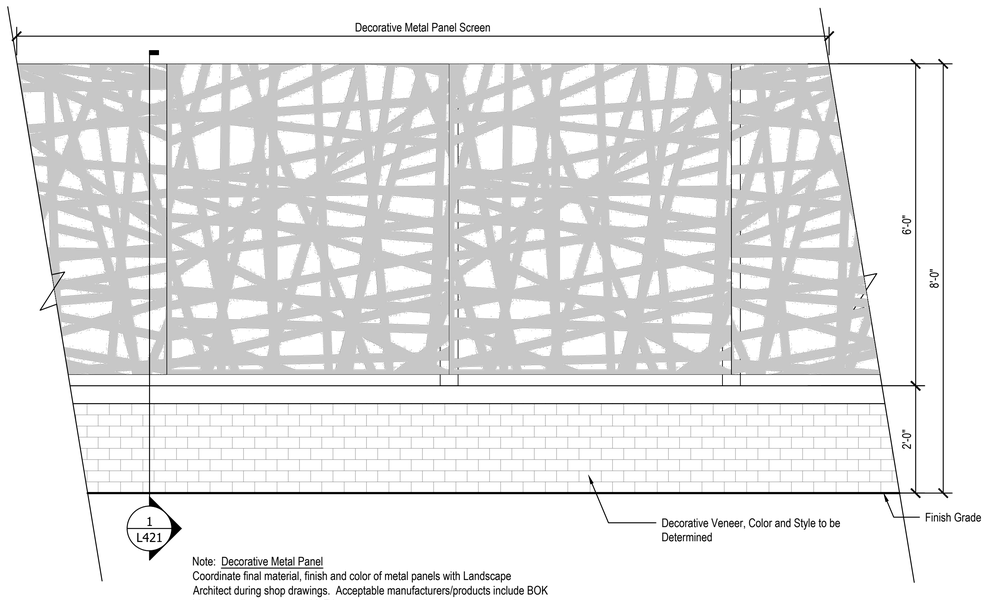
5 FLAGPOLE FOOTING
Scale: 1" = 1'-0"



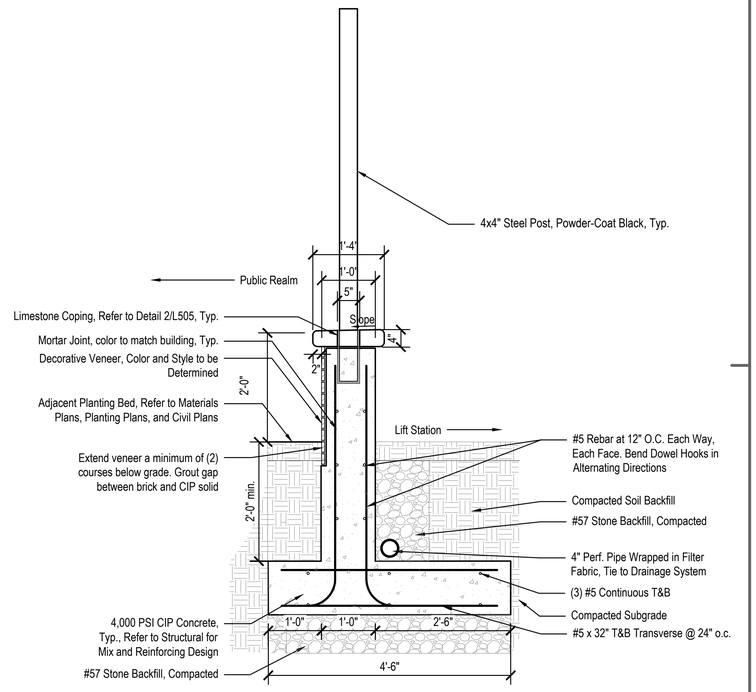
4 BIKE RACK
Scale: 1/2" = 1'-0"



2 WALL COPING
Not to Scale



3 METAL SCREEN WALL, ELEVATION
Scale: 3/4" = 1'-0"



1 METAL SCREEN WALL, SECTION
Scale: 3/4" = 1'-0"

context DESIGN
5825 Lawton Loop E. Dr. | Indianapolis, IN 46216
317-485-6900 | www.context-design.com

95% CD SET - Not For Construction

TOWN OF McCORDSVILLE

McCORDSVILLE POLICE HEADQUARTERS

7520 Civic Drive, McCordsville, IN 46055

#	Revision	Date

Project #: 717000.1
Designed By: Designer
Drawn By: AY, JT
Checked By: LM
Date: 04/21/23

NOT FOR CONSTRUCTION
FREDDIE L. PRICE JR. STATE OF INDIANA REGISTERED ARCHITECT
Nov 2022
EXPIRES 12-31-2023

SITE DETAILS

L421

PLAN NOTES

#	NOTE
01	FUTURE STREET LIGHTING. ROUTE CONDUITS AS INDICATED TO ALLOW FUTURE CONNECTIONS.
02	INSTALL DECORATIVE STREET LIGHTING WITH DISTRIBUTION FACING TOWARDS ROAD, ANCHORED TO CONCRETE BASE WITH TOP +6" ABOVE FINISHED GRADE.
03	PROVIDE BRANCH CIRCUIT FROM LIFT STATION SERVICE. CONTROL LIGHTING VIA DUSK-DAWN PHOTOCELL.
04	PROVIDE DEDICATED 120V/20A CIRCUIT, #6 AWG MINIMUM, FOR DUPLEX RECEPTACLES INSTALLED IN STREET LIGHTING. RECEPTACLES TO BE SWITCHED WITH STREET LIGHTING.
05	INSTALL SIGN LIGHTING ON LANDSCAPE STAKE LISTED FOR USE WITH LIGHT FIXTURE, 36" FROM WALL, AIMED AT NIGHT TO ILLUMINATE AS MUCH OF SIGN AS POSSIBLE. CONTROL SIGN LIGHT FIXTURES VIA PHOTOCELL, WITH BRANCH CIRCUIT SERVED FROM LIFT STATION SERVICE.
06	INSTALL SIGN LIGHTING ON LANDSCAPE STAKE LISTED FOR USE WITH LIGHT FIXTURE, 12" BACK FROM WALL, AIMED DIRECTLY UPWARDS, CENTERED ON TALL VERTICAL ELEMENT. CONTROL SIGN LIGHT FIXTURES VIA PHOTOCELL, WITH BRANCH CIRCUIT SERVED FROM LIFT STATION SERVICE.
07	NEW PADMOUNT TRANSFORMER FOR LIFT STATION AND STREET LIGHTING SERVICE. TRANSFORMER, PAD, AND ASSOCIATED REWORK OF SERVICE TO LIFT STATION BY UTILITY COMPANY.
08	ADD 60A, 208/120V, 1PH, 3W NEMA 3R LOADCENTER TO SERVE STREET AND SIGN LIGHTING CIRCUITS. PROVIDE DUSK TO DAWN PHOTOCELL CONTROL.
09	IN-GRADE HANDHOLE FOR TELECOMMUNICATIONS SERVICE. PROVIDED BY UTILITY PROVIDER. COORDINATE TERMINATION OF CONDUITS ONSITE.
10	TELECOMMUNICATIONS CONDUITS PROVIDED BY CONTRACTOR, MINIMUM COVER DEPTH 24", MINIMUM BENDING RADIUS 24". PROVIDE 1,250# PULL STRING FOR UTILITY USE.

PLAN NOTES

#	NOTE
11	NEW PADMOUNT SWITCHGEAR, PROVIDED BY UTILITY COMPANY. COORDINATE LOCATION AND CONDUIT TERMINATIONS ONSITE.
12	PRIMARY ELECTRIC SERVICE CONDUITS PROVIDED BY CONTRACTOR, MINIMUM COVER DEPTH 48", MINIMUM BENDING RADIUS 48". PROVIDE 1,250# PULL STRING FOR UTILITY USE. PROVIDE TRACEABLE WARNING TAPE 24" ABOVE CONDUITS.
13	SEE E700 FOR CONDUIT SIZE AND QUANTITY. ROUTING SHOWN IS DIAGRAMMATIC AND FOR REFERENCE ONLY.
14	BACKFILL WITH CONTROLLED DENSITY CONCRETE FILL (100 PSI @ 28 DAYS STRENGTH), OR AS SPECIFIED IN THE PROJECT MANUAL, WHERE CONDUITS PASS UNDERNEATH STRUCTURAL FOUNDATIONS. MINIMUM COVER OF 6" AROUND ALL SIDES OF CONDUITS AND 12" INSIDE AND OUTSIDE OF BUILDING.
15	EQUIPMENT CLEARANCE ZONE PER UTILITY AND/OR MANUFACTURER REQUIREMENTS.
16	SEE E700 FOR LOADCENTER FEEDER AND CONTROL WIRING DETAILS.
17	INSTALL IN-GRADE FLOODLIGHTS PER MANUFACTURER INSTRUCTIONS. PROVIDE A MINIMUM OF 6" THICK PEA GRAVEL UNDERNEATH BASE AND AROUND ALL SIDES FOR DRAINAGE. INSTALL TOP OF BASE FLUSH WITH FINISHED GRADE. USE ONLY WATERPROOF CONNECTIONS AND WIRING. COORDINATE FINAL LOCATION WITH LANDSCAPING AND FLAGPOLE LOCATIONS.
18	PROVIDE POWER AND (1) 1" C. FOR ACCESS CONTROL CABLING TO GATE OPERATOR. COORDINATE LOCATION WITH GATE CONTRACTOR. PROVIDE LINE VOLTAGE SURGE PROTECTION INSTALLED INSIDE GATE OPERATOR CONTROL PANEL. CONTROLS AND LOOP WIRING BY GATE VENDOR.
19	REFER TO E210 FOR BUILDING MOUNTED LIGHTING CIRCUITS.
20	INSTALL BOLLARDS ON CONCRETE BASE PER DETAILS. PROVIDE 30 mA GFPE BRANCH CIRCUIT BREAKER PROTECTION.
21	PROVIDE NEMA 3R PANELBOARD AND DISCONNECT ON EXTERIOR OF DUMPSTER ENCLOSURE FOR STORM PARK LIGHTING AND GENERAL POWER. PROVIDE NEMA 3R TRANSFORMER MOUNTED ON CONCRETE PAD.
22	PROVIDE (2) SPARE CONDUITS FOR FUTURE EV CHARGING LOCATIONS. INSTALL PULL STRINGS AND CAP CONDUITS ON EITHER END TO SEAL.
23	PROVIDE 24"x36"X24"D QUAZITE BOX FOR FUTURE EV CHARGING SERVICE.

GENERAL NOTES - SITE:

A. REFER TO SHEET E-001 FOR ELECTRICAL SYMBOLS AND ADDITIONAL GENERAL NOTES.

B. COORDINATE ALL INCOMING ELECTRICAL SERVICE WORK WITH THE ELECTRICAL UTILITY COMPANY. PAY ALL FEES AND OTHER COSTS NOT BORNE BY THE ELECTRICAL UTILITY COMPANY TO PROVIDE NEW ELECTRICAL SERVICE TO THE PROJECT BUILDING.

C. COORDINATE ALL INCOMING TELEPHONE SERVICE WORK WITH THE LOCAL TELEPHONE UTILITY COMPANY. PAY ALL FEES AND OTHER COSTS NOT BORNE BY THE LOCAL TELEPHONE UTILITY COMPANY TO PROVIDE NEW TELEPHONE SERVICE TO THE PROJECT BUILDING.

D. PROVIDE PULL STRINGS IN ALL UTILITY CONDUITS.

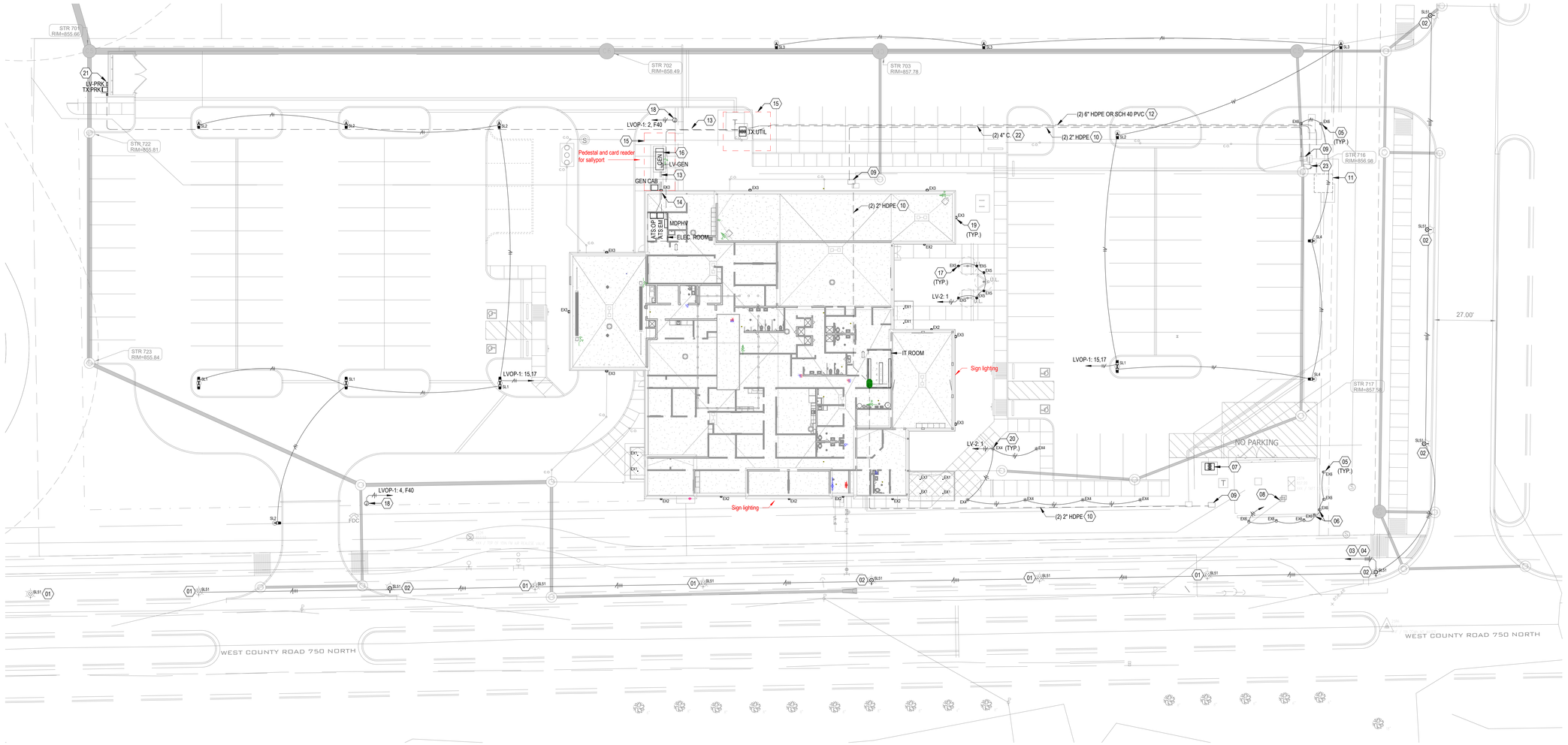
E. ALL EXTERIOR CONDUITS SHALL BE INSTALLED BELOW THE FROST LINE AND PER NEC MINIMUM COVER REQUIREMENTS.

F. COORDINATE LOCATIONS OF ALL UNDERGROUND CONDUITS, HANDHOLES AND MANHOLES, UNDERGROUND DRAINS, SERVICES, STRUCTURES, AND PAVING.

G. PROVIDE ADDITIONAL HANDHOLES AND MANHOLES AS REQUIRED BY THE UTILITY COMPANIES. COORDINATE REQUIREMENTS WITH UTILITY COMPANIES PRIOR TO BID.

H. COORDINATE ALL ROUTING AND TERMINATION LOCATIONS WITH THE UTILITY COMPANIES PRIOR TO BID.

I. ALL CONDUCTORS FOR EXTERIOR LIGHTING AND POWER CIRCUITS SHALL BE #10 AWG MINIMUM.



1 **SITE ELECTRICAL PLAN**
1" = 20'-0"
0 10' 20' 40'

NineStar CONNECT
Project Contact: Rusty Hansen
Email: RHansen@NineStarConnect.com
Phone: (317) 323-2088

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

RQAW
DCCM

95% CD SET - Not For Construction

TOWN OF McCORDSVILLE
McCORDSVILLE POLICE HEADQUARTERS
7520 Civic Drive, McCordsville, IN 46055

#	Revision	Date

Project #: 23-700-056-1
Designed By: BDB
Drawn By: BDB
Checked By: DLJ
Date: 04/21/23

DISTIN E. BARTH — REGISTERED — No. 12200401 — STATE OF INDIANA — PROFESSIONAL ENGINEER

N

ELECTRICAL SITE PLAN

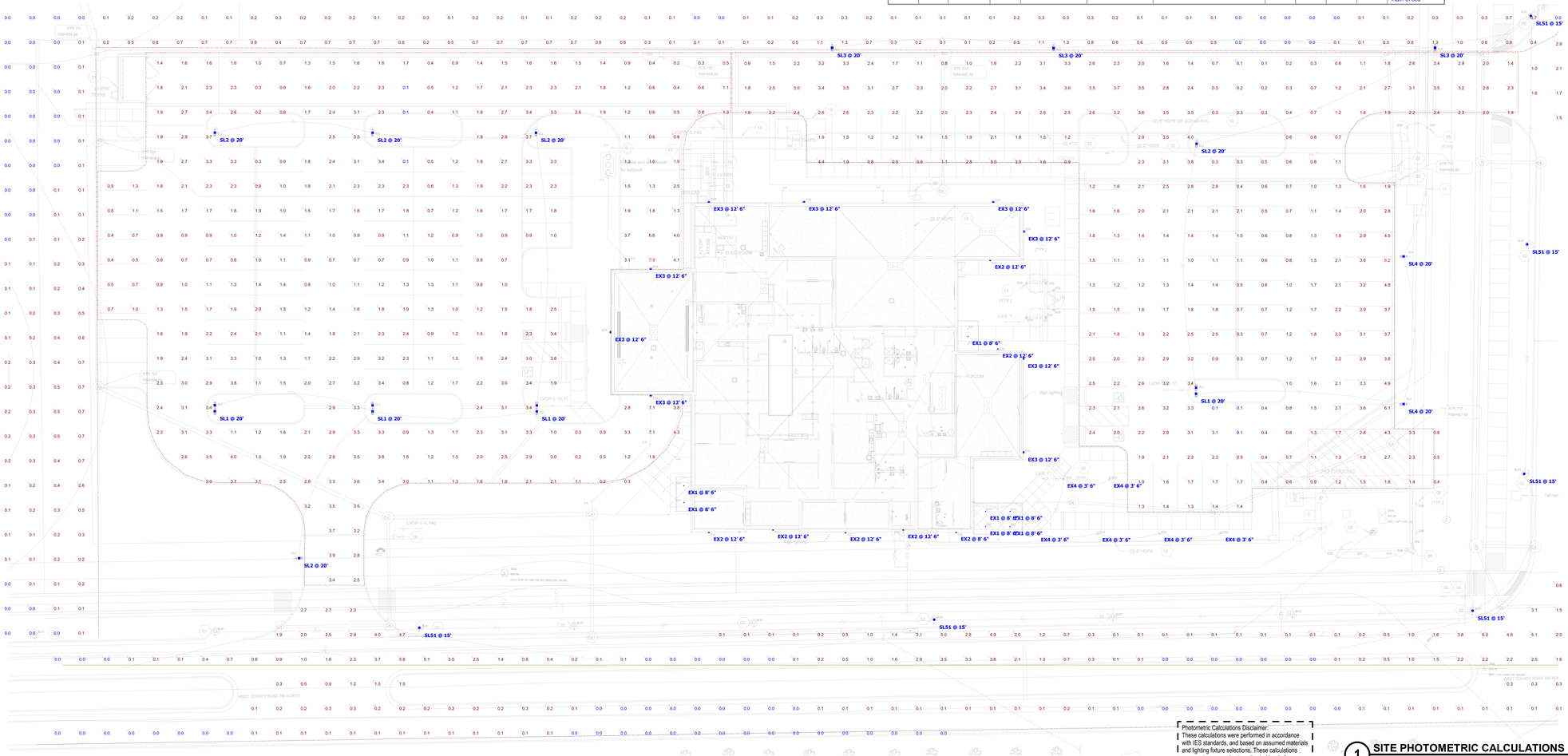
E010

Schedule

Symbol	Label	Image	QTY	Manufacturer	Catalog	Description	Number Lamps	Lamp Output	LLF	Input Power	Polar Plot
	SL1		4	Lithonia Lighting	RSX2 LED P2 30K R5	RSX Area Fixture Size 2 P2 Lumen Package 3000K CCT Type R5 Distribution	1	16074	0.74	228.14	 Max: 6141cd
	SL2		5	Lithonia Lighting	RSX2 LED P2 30K R5S	RSX Area Fixture Size 2 P2 Lumen Package 3000K CCT Type R5S Distribution	1	16501	0.74	114.07	 Max: 8463cd
	SL3		3	Lithonia Lighting	RSX2 LED P2 30K R3 HS	RSX LED Area Luminaire Size 2 P2 Lumen Package 3000K CCT Type R3 Distribution with HS shield	1	10989	0.74	114.07	 Max: 11680cd
	SL4		2	Lithonia Lighting	RSX2 LED P2 30K R4	RSX Area Fixture Size 2 P2 Lumen Package 3000K CCT Type R4 Distribution	1	15861	0.74	114.07	 Max: 9355cd
	SL51		6	King Luminaire	K595-P4NL-III-100(SSL)--7030	NVLAP LOGO AND LAB ID NUMBER SHALL NOT BE USED BY THE CLIENT TO CLAIM THE PRODUCT CERTIFICATION, APPROVAL, OR ENDORSEMENT BY NVLAP, NIST, OR ANY GOVERNMENT AGENCY. CALIBRATION LAMP #1000-49, NIST TRACEABLE THROUGH ITL REPORT #ITL81862.	1	7621	0.88	101.6	 Max: 6241cd
	EX1		7	Lithonia Lighting	LDN4 30/10 LO4AR LD	4IN LDN, 3000K, 1000LM, CLEAR, MATTE DIFFUSE REFLECTOR, 80CRI	1	922	0.57	10.58	 Max: 975cd
	EX2		7	Lithonia Lighting	ARC1 LED P1 30K	ARC1 LED WITH P1 - PERFORMANCE PACKAGE, 3000K	1	1376	0.74	10.8751	 Max: 898cd
	EX3		9	Lithonia Lighting	ARC2 LED P5 30K	ARC2 LED WITH P5 - PERFORMANCE PACKAGE, 3000K	1	6260	0.74	51.2609	 Max: 5130cd
	EX4		6	Lithonia Lighting	KBR8 LED 16C 350 30K SYM MVOLT	KBR8 WITH 4 LIGHT BOARDS (16 LEDs), 350mA DRIVER, 3000K COLOR TEMP, AND SYMMETRIC OPTIC	1	1526	0.79	20	 Max: 676cd

Statistics

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Parking - Secure Lot	+	1.9 fc	7.9 fc	0.1 fc	79.0:1	19.0:1
Roadway	+	1.0 fc	6.6 fc	0.0 fc	N/A	N/A
Sidewalks - Public		3.6 fc	13.0 fc	0.4 fc	32.5:1	9.0:1
Sidewalks - Secure 1		2.7 fc	9.4 fc	0.4 fc	23.5:1	6.8:1
Sidewalks - Secure 2		2.9 fc	10.1 fc	0.4 fc	25.3:1	7.3:1
Site Spill	+	0.1 fc	2.5 fc	0.0 fc	N/A	N/A
Parking - Public Lot	+	1.9 fc	6.2 fc	0.1 fc	62.0:1	19.0:1



Photometric Calculations Disclaimer:
These calculations were performed in accordance with IES standards, and based on assumed materials and lighting fixture selections. These calculations represent an approximate estimated level of performance at or near end of life of the fixtures indicated, and are to be used for permitting, zoning, and planning purposes only.

1 **SITE PHOTOMETRIC CALCULATIONS**
1" = 20'-0"
0 10' 20' 40'

RQAW
DCCM

95% CD SET - Not For Construction

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McCORDSVILLE POLICE HEADQUARTERS
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#	Revision	Date

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DUSTIN E. BARTH
REGISTERED
No. 12200401
STATE OF INDIANA
PROFESSIONAL ENGINEER
Dustin Barth

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SITE PHOTOMETRIC CALCULATIONS

E011

4/21/2023 12:55:48 PM