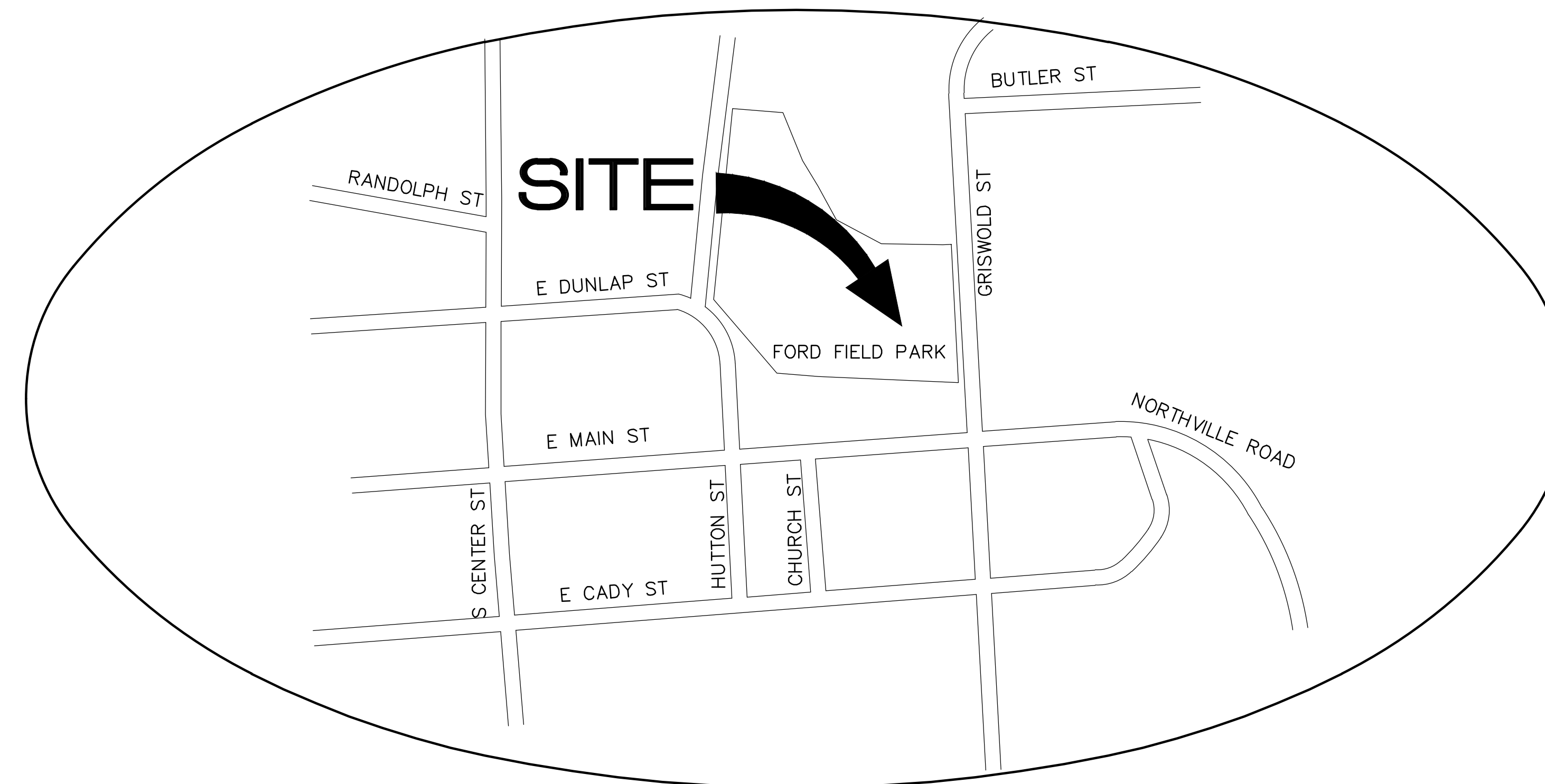


# FORD FIELD PLAYGROUND

## PHASE 1

151 GRISWOLD ST  
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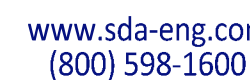
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- C2.0 EXISTING CONDITIONS
- C3.0 DEMOLITION PLAN
- C4.0 SITE LAYOUT PLAN
- C5.0 LANDSCAPE PLAN
- C6.0 GRADING PLAN
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### LANDSCAPE ARCHITECT

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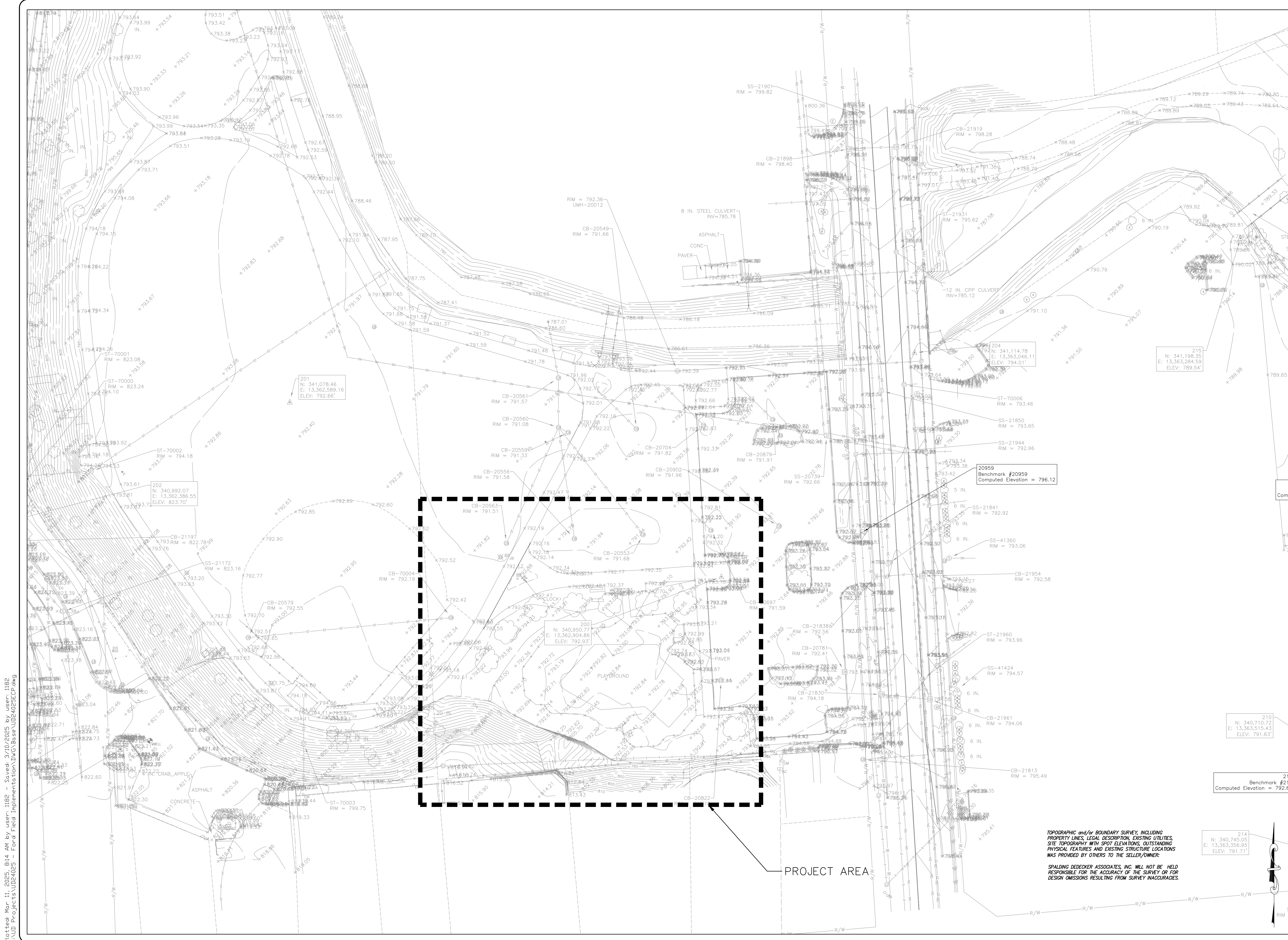
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## EXISTING CONDITIONS

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BAK IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	
DRAFTER CP	DATE
DESIGNER	DATE
CHECKED NW	DATE 03-10-25
PROJECT MANAGER BF	BID PLAN DATE 03-11-25
DEPARTMENT MANAGER APPROVAL	DATE
JOB NO. UD204025	DRAWING NO.
SCALE: 1" = 30'	SHEET NO.
	EC 1.0





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DEMOLITION NOTES

ALL DEPRESSIONS CREATED BY DEMOLITION PROCEDURES SHALL BE BACKFILLED WITH CLASS II FILL MATERIAL, IN 8" LIFTS COMPACTED TO 90% OF MAXIMUM UNIT WEIGHT, UP TO PROPOSED SUBGRADE.

CONTRACTOR IS RESPONSIBLE FOR DOING AN EARTHWORK CALCULATION FOR CUT AND FILL REQUIREMENTS, AND IS RESPONSIBLE FOR INCLUDING IMPORT AND EXPORT OF MATERIALS IN THEIR BID. ALL EXCESS MATERIAL (INCLUDING TOPSOIL, CLEAN FILL, AND WASTE MATERIAL) SHALL BE REMOVED FROM THE SITE.

CONTRACTOR SHALL UTILIZE A UTILITY LOCATOR TO STAKE PUBLIC AND PRIVATE UTILITY LOCATIONS PRIOR TO START OF CONSTRUCTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPAIR OR REPLACE ANY DAMAGE TO EXISTING UTILITY LINES.

CONTRACTOR TO ESTABLISH SEDIMENT EROSION CONTROL MEASURES PRIOR TO BEGINNING WORK, AS REQUIRED BY CITY OF NORTHVILLE AND THE STATE OF MICHIGAN.

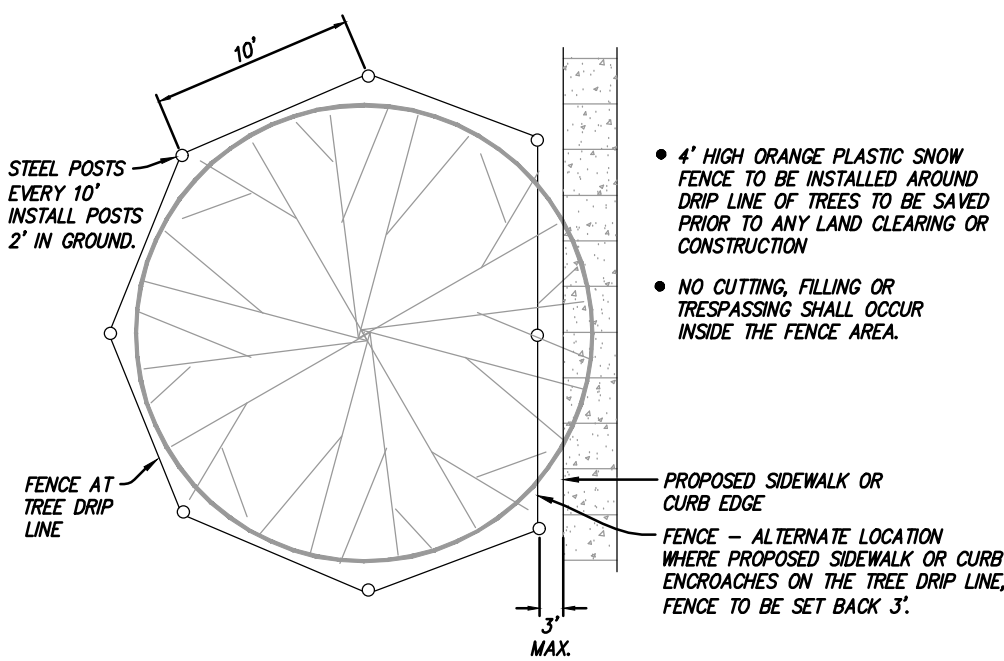
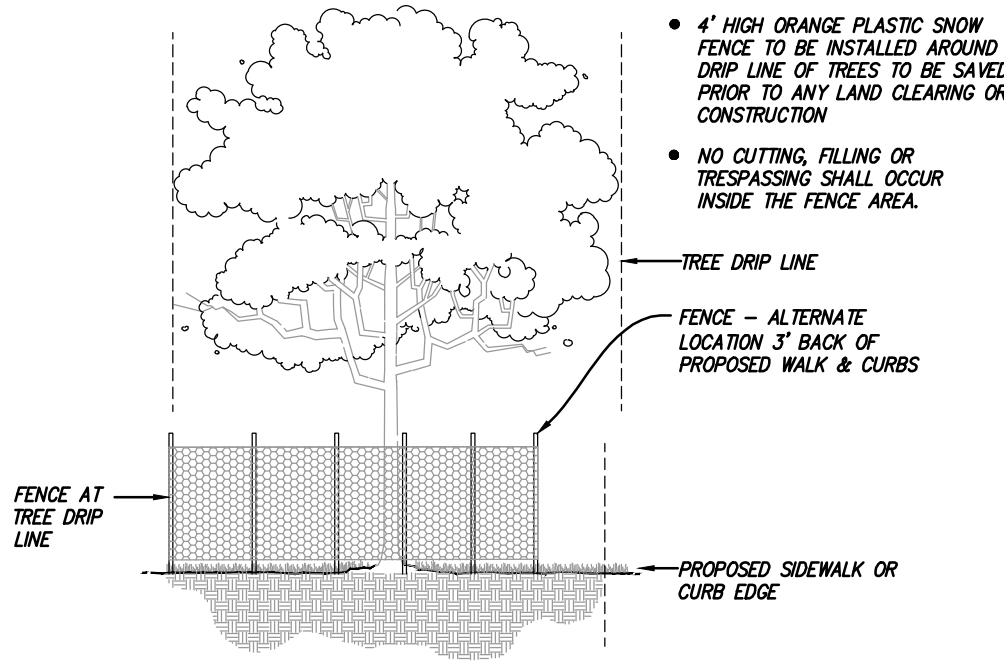
ALL WORK IS TO BE IN CONFORMANCE WITH LOCAL STANDARDS, RULES AND REGULATIONS AS DETERMINED BY THE STATE OF MICHIGAN AND ASSOCIATED UTILITIES.

RESTORE ALL NON-PAVED AREAS WITH 3" OF CLEAN TOPSOIL AND SEED PER SPEC SECTION 02801. PEG 500 IN PLACE ON SLOPES IN EXCESS OF 10 HORIZONTAL TO 1 VERTICAL USING WOODEN PEGS A MINIMUM OF 12" LONG. WATER SED ON A REGULAR BASIS AS INDICATED IN THE SPECIFICATIONS.

CONTRACTOR TO PROTECT EXISTING UTILITY STRUCTURES, SIGNS, POSTS, TREES, ETC. UNLESS OTHERWISE SPECIFIED ON PLANS.

CONTRACTOR TO FOLLOW TREE PROTECTION DETAIL FOR ALL TREES THAT AREN'T SCHEDULED FOR REMOVAL.

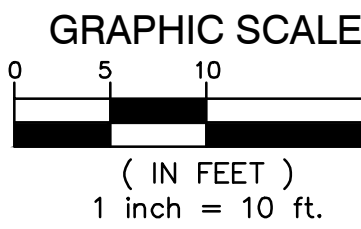
CONTRACTOR IS RESPONSIBLE TO NOTIFY OPERATION MANAGER AND ENGINEER PRIOR TO DEMOLITION/REMOVAL OF EXISTING UTILITIES. CONTRACTOR IS RESPONSIBLE TO RECONNECT EXISTING UTILITIES THAT ARE FOUND IN THE FIELD AT OPERATION MANAGER'S DIRECTION.



TREE PROTECTION FENCE

DEMOLITION LEGEND

- REMOVE PAVEMENT TO FULL DEPTH. SAWCUT FULL DEPTH WHERE NEW PAVEMENT WILL BE PLACED ADJACENT TO EXISTING PAVEMENT. EXCAVATE EXISTING AGGREGATE BASE AND SUBGRADE AS NECESSARY TO INSTALL NEW PAVEMENT SECTION AS SHOWN ON THE LAYOUT PLANS, INCLUDING NEW AGGREGATE BASE.
- REMOVE EXISTING PLAY STRUCTURE, ENGINEERED WOOD FIBER, AND AREA FENCING FENCE BOARDS WITH VAINES TO BE PRESERVED AND GIVEN TO THE CITY, FOR COMMUNITY TO RECLAIM
- REMOVE PAVERS
- PROJECT BOUNDARY
- TREE PROTECTION FENCE
- TREE REMOVAL



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**FORD FIELD PLAYGROUND**

DEMOLITION PLAN

SECTION 3  
TOWN 1 SOUTH RANGE 8 EAST  
CITY OF NORTHVILLE  
WAYNE

NO.	DATE	REVISION

VERIFY SCALES  
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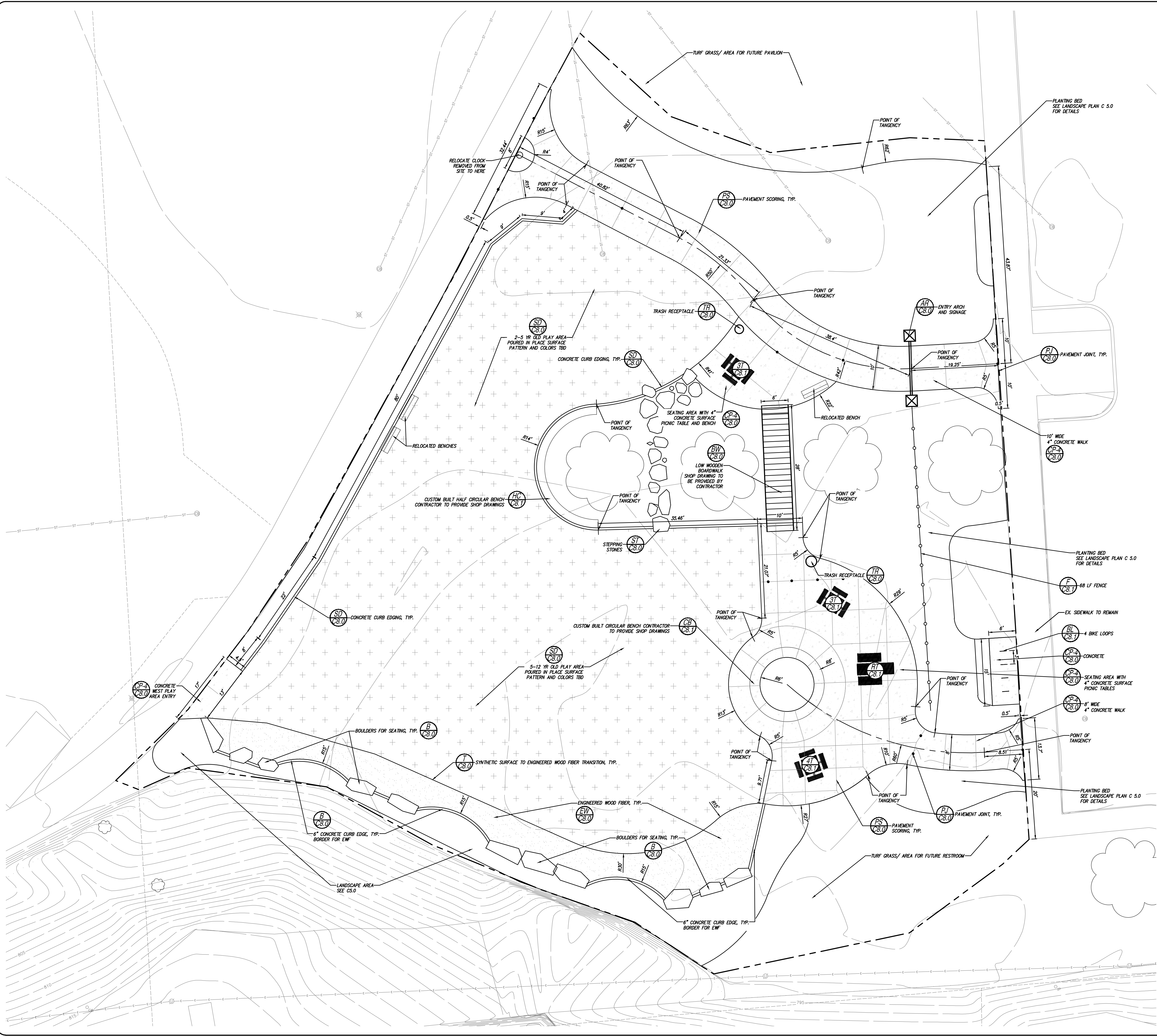
DRAWN BY	DATE
CP	12-23-24
DESIGNER	12-31-24
CHECKED	03-10-25
PROJECT MANAGER	BID PLAN DATE
BF	03-11-25
DEPARTMENT MANAGER APPROVAL	DATE

JOB NO.	DRAWING NO.
UD24025	
SCALE:	SHEET NO.

1" = 10'  
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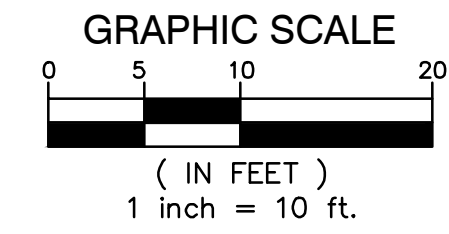


**LEGEND**

	CONCRETE PAVEMENT
	SYNTHETIC SURFACE
	ENGINEERED WOODFIBER

- PAVING CONSTRUCTION NOTES**
- EARTHWORK AND PAVEMENT CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE CURRENT MDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION UNLESS OTHERWISE NOTED IN THE FOLLOWING ITEMS.
  - REMOVE ANY EXISTING TOPSOIL, VEGETATION, TREES AND OTHER DELETERIOUS MATERIALS TO EXPOSE THE SUBGRADE SOIL. TREE ROOTS SHALL BE COMPLETELY REMOVED.
  - EXCAVATE TO THE DEPTH OF THE FINAL SUBGRADE ELEVATION TO ALLOW FOR GRADE CHANGES AND THE PLACEMENT OF THE RECOMMENDED PAVEMENT SYSTEM.
  - THE TOP 12 INCHES OF THE EXPOSED SUBGRADE SHALL BE COMPACTED TO A DENSITY NO LESS THAN 95 PERCENT OF THE MAXIMUM DENSITY AS DETERMINED BY THE MODIFIED PROCTOR (ASTM D 1557-91).
  - THE FINAL SUBGRADE SHALL BE THOROUGHLY PROFFERED UNDER THE OBSERVATION OF A GEOTECHNICAL/PAVEMENT ENGINEER. LOOSE OR YIELDING AREAS WHICH CANNOT BE MECHANICALLY STABILIZED SHALL BE REMOVED AND REPLACED WITH ENGINEERED FILL OR AS DICTATED BY FIELD CONDITIONS.
  - THE AGGREGATE BASE SHALL BE COMPACTED TO A DENSITY NO LESS THAN 95 PERCENT OF THE MAXIMUM DENSITY AS DETERMINED BY THE MODIFIED PROCTOR (ASTM D 1557-91). THE BASE SHALL EXTEND A MINIMUM OF 1 FOOT BEYOND THE PAVED EDGE.
  - ALL BITUMINOUS MATERIAL SHALL BE COMPACTED TO A DENSITY NO LESS THAN 97 PERCENT OF THE MAXIMUM DENSITY AS DETERMINED BY THE MARSHALL METHOD.
  - PERFORMANCE GRADE PG64-22 ASPHALT CEMENT SHALL BE USED IN THE PRODUCTION OF ALL BITUMINOUS MIXTURES. RECLAIMED ASPHALT PAVEMENT (RAP) SHALL BE ALLOWED ONLY AS SPECIFIED BY THE CURRENT MDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION, UNLESS NOTED ON THE PROJECT DETAILS.
  - CONSTRUCTION TRAFFIC SHALL BE MINIMIZED ON THE NEW PAVEMENT. IF CONSTRUCTION TRAFFIC IS ANTICIPATED ON THE PAVEMENT STRUCTURE, THE PLACEMENT OF THE FINAL LIFT SHALL BE DELAYED UNTIL THE MAJORITY OF THE CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED. THIS ACTION WILL ALLOW REPAIR OF LOCALIZED FAILURES. IF ANY DOES OCCUR, AS WELL AS REDUCE LOAD DAMAGE ON THE PAVEMENT SYSTEM. THE CONTRACTOR IS RESPONSIBLE FOR REPAIR TO ANY DAMAGED SECTION RESULTING FROM CONSTRUCTION ACTIVITY.
  - PAVEMENT REHAB SHALL BE PERFORMED PER THE CURRENT MDOT STANDARD SPECS FOR CONSTRUCTION. BLOW OUT EX. CRACKS WITH COMPRESSED AIR TO REMOVE ALL DIRT, VEGETATION, AND FOREIGN MATERIAL. USE "OVERBAND CRACK FILL" PER SECTION 506 OF MDT SPECS FOR ALL CRACKS IN EXCESS OF 1/4" WIDTH. CLEAR SURFACE OF ALL DEBRIS AND THOROUGHLY WASH THE SURFACE AS INDICATED IN SECTION 506.03.C. PROVIDE AND APPLY SLURRY SEAL, PER SECTION 506 OF THE MDT SPECS.
  - CONTRACTOR SHALL PROTECT EXISTING CURB, GUTTER, SIDEWALK, WALLS, FENCES AND ALL OTHER EXISTING SITE FEATURES NOT INDICATED FOR REMOVAL OR REHABILITATION.
  - PLACE EXPANSION JOINTS WHERE NEW CONCRETE PAVEMENT OR WALKS ABUT BUILDING WALLS (PROPOSED OR EXISTING), COLUMN WALLS OR BASES, CONCRETE FOUNDATIONS OR BASES, CURBS, OR EXISTING CONCRETE PAVEMENT. PLACE JOINT SEALANT ON ALL EXPANSION JOINTS.
  - CONTRACTOR TO CONSTRUCT CONTRACTION AND EXPANSION JOINTS IN ALL NEW CONCRETE PAVEMENT. CONTRACTION JOINTS SHALL BE TOOLED WHERE SIDEWALK WIDTH IS 8' OR LESS, AND SHALL BE SPACED EQUAL TO THE WIDTH OF THE PAVEMENT (I.E. 8' SPACING FOR 8' WIDE WALK), BUT NOT MORE THAN 10' APART. PLACE EXPANSION JOINTS WITH JOINT SEALANT AT MAXIMUM 50' SPACING. CONTRACTOR SHALL GENERALLY MATCH THE JOINT PATTERNS FOR CONCRETE PAVEMENT WHEN SHOWN ON THE PLANS.
  - WHERE THESE PLANS DIFFER FROM THE STANDARD DETAILS OR STANDARD SPECIFICATIONS OF THE COMMUNITY, THE COMMUNITY REQUIREMENTS SHALL GOVERN.
  - CONCRETE PAVEMENT SHALL MEET THE REQUIREMENTS FOR MDOT GRADE 4000 CONCRETE PER THE CURRENT MDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION.
  - APPLY SILENTURE SRT (OR APPROVED EQUIVALENT) ACRYLIC CURING COMPOUND ON ALL CONCRETE PAVING, CURBS, AND WALKS (APPLY PER MANUFACTURER RECOMMENDATIONS).

- PLAY GROUND EQUIPMENT NOTES**
- THESE DRAWINGS PROVIDE ONLY THE LOCATION AND SHAPE OF THE PLAY AREA. ALL STRUCTURAL REQUIREMENTS, CONSTRUCTION DETAILS, MATERIAL DETAILS, AND OTHER RELATED INFORMATION ARE THE RESPONSIBILITY OF THE PLAYGROUND EQUIPMENT MANUFACTURER AND THE PLAYGROUND EQUIPMENT INSTALLATION SUBCONTRACTOR.
  - THE PLAYGROUND EQUIPMENT INSTALLATION SUBCONTRACTOR SHALL PREPARE DETAILED PLANS, DRAWINGS AND SPECIFICATIONS TO BE SUBMITTED TO THE OWNER FOR REVIEW AND APPROVAL. THE PLAYGROUND EQUIPMENT INSTALLATION SUBCONTRACTOR SHALL BE RESPONSIBLE TO MAKE APPLICATIONS FOR, AND OBTAIN ALL PLAYGROUND EQUIPMENT CONSTRUCTION PERMITS AND APPROVALS FROM LOCAL GOVERNING MUNICIPALITIES AND THE STATE OF MICHIGAN.
  - CONSTRUCTION SUPERVISION AND SITE SAFETY SHALL ALSO BE THE RESPONSIBILITY OF THE PLAYGROUND EQUIPMENT INSTALLATION SUBCONTRACTOR AND SHALL MEET ALL MUNICIPAL AND STATE REQUIREMENTS AND REGULATIONS.
  - THE PLAYGROUND EQUIPMENT INSTALLER SHALL REQUEST DETAILED INFORMATION FROM THE PLAYGROUND EQUIPMENT MANUFACTURER REGARDING SPECIAL GROUND COVERINGS TO PREVENT SERIOUS FALL INJURIES. THIS INFORMATION SHALL BE PROVIDED TO THE OWNER TO BE IMPLEMENTED INTO THE OWNERS MAINTENANCE PROGRAM. THE PLAYGROUND MANUFACTURER SHALL CERTIFY IN WRITING THAT THE INSTALLATION OF EQUIPMENT MEETS STANDARDS.
  - THE DESIGN CIVIL ENGINEER/LANDSCAPE ARCHITECT IS NOT RESPONSIBLE FOR THE SAFETY AND OPERATION OF EQUIPMENT AND COMPONENTS SHOWN ON THE DRAWING OR LISTED IN THE SPECIFICATIONS. THIS RESPONSIBILITY LIES WITH THE MANUFACTURER AND INSTALLER OF SAID EQUIPMENT AND ASSUMES ON GOING MAINTENANCE WILL BE ADMINISTERED.



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**FORD FIELD PLAYGROUND**

**LAYOUT PLAN**

SECTION 3  
TOWN 1 SOUTH RANGE 8 EAST  
CITY OF NORTHVILLE  
WAYNE

NO.	DATE	REVISION

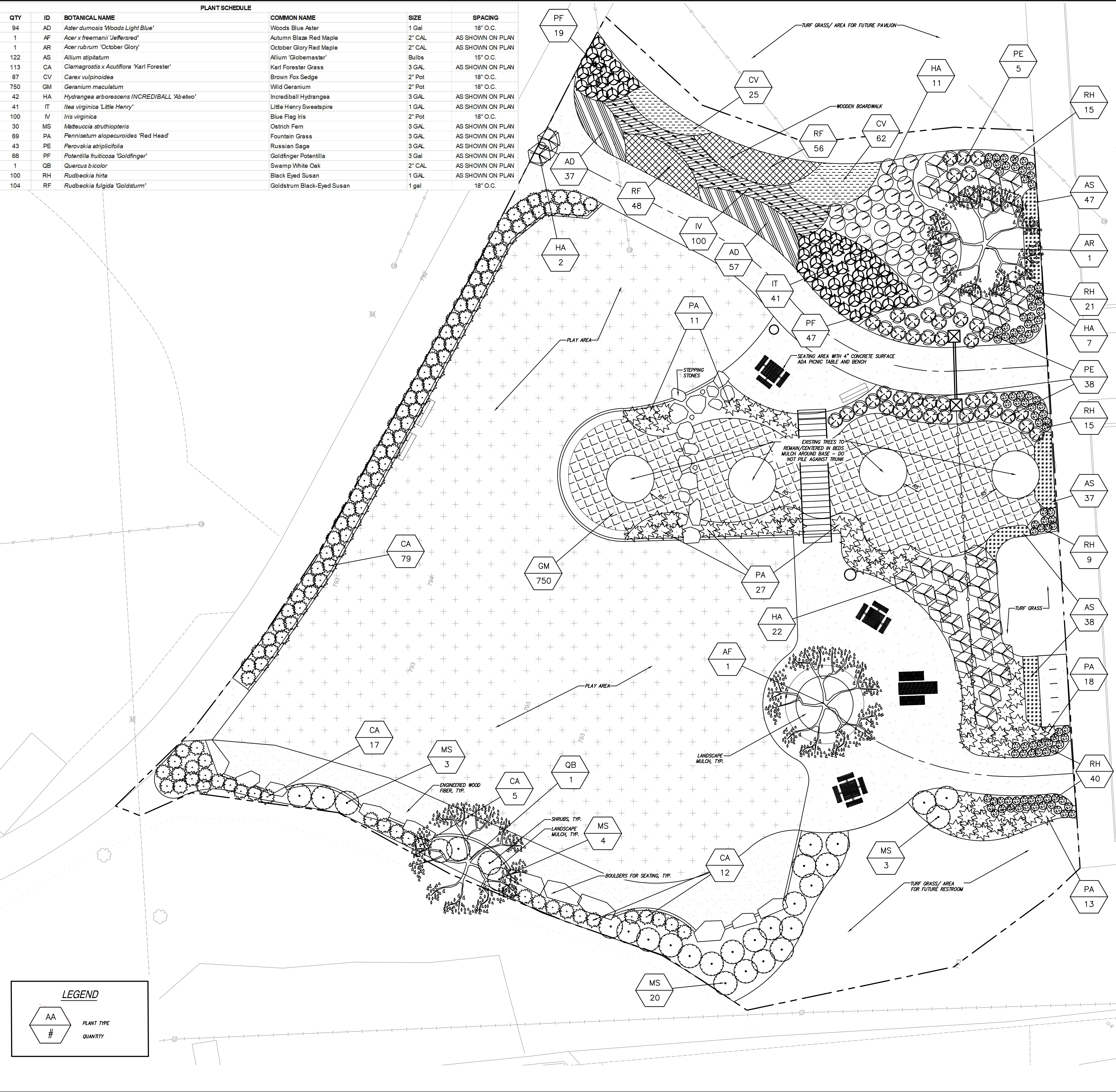
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CP	12-17-24
CHECKED	DATE
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BF	03-11-25
DEPARTMENT MANAGER APPROVAL	DATE

JOB NO. <b>UD24025</b>	DRAWING NO. 
SCALE: 1" = 10'	SHEET NO. C 4.0



PLANT SCHEDULE						
QTY	ID	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	
94	AD	<i>Aster dumosus</i> 'Woods Light Blue'	Woods Blue Aster	1 Gal	18" O.C.	
1	AF	<i>Acer x freemanii</i> 'Jefferson'	Autumn Blaze Red Maple	2" CAL	AS SHOWN ON PLAN	
1	AR	<i>Acer rubrum</i> 'October Glory'	October Glory Red Maple	2" CAL	AS SHOWN ON PLAN	
122	AS	<i>Allium stipitatum</i>	Allium 'Globemaster'	Bulbs	15" O.C.	
113	CA	<i>Clamagrostis x Acutiflora</i> 'Karl Forester'	Karl Forester Grass	3 GAL	AS SHOWN ON PLAN	
87	CV	<i>Carex vulpinoidea</i>	Brown Fox Sedge	2" Pot	18" O.C.	
750	GM	<i>Geranium maculatum</i>	Wild Geranium	2" Pot	18" O.C.	
42	HA	<i>Hydrangea arborescens</i> INCREDIBALL 'Abetwo'	Incrediball Hydrangea	3 GAL	AS SHOWN ON PLAN	
41	IT	<i>Itea virginica</i> 'Little Henry'	Little Henry Sweetspire	1 GAL	AS SHOWN ON PLAN	
100	IV	<i>Iris virginica</i>	Blue Flag Iris	2" Pot	18" O.C.	
30	MS	<i>Matteuccia struthiopteris</i>	Ostrich Fern	3 GAL	AS SHOWN ON PLAN	
69	PA	<i>Pennisetum alopecuroides</i> 'Red Head'	Fountain Grass	3 GAL	AS SHOWN ON PLAN	
43	PE	<i>Perovskia atriplicifolia</i>	Russian Sage	3 GAL	AS SHOWN ON PLAN	
66	PF	<i>Potentilla fruticosa</i> 'Goldfinger'	Goldfinger Potentilla	3 gal	AS SHOWN ON PLAN	
1	QB	<i>Quercus bicolor</i>	Swamp White Oak	2" CAL	AS SHOWN ON PLAN	
100	RH	<i>Rudbeckia hirta</i>	Black Eyed Susan	1 GAL	AS SHOWN ON PLAN	
104	RF	<i>Rudbeckia fulgida</i> 'Goldstrum'	Goldstrum Black-Eyed Susan	1 gal	18" O.C.	

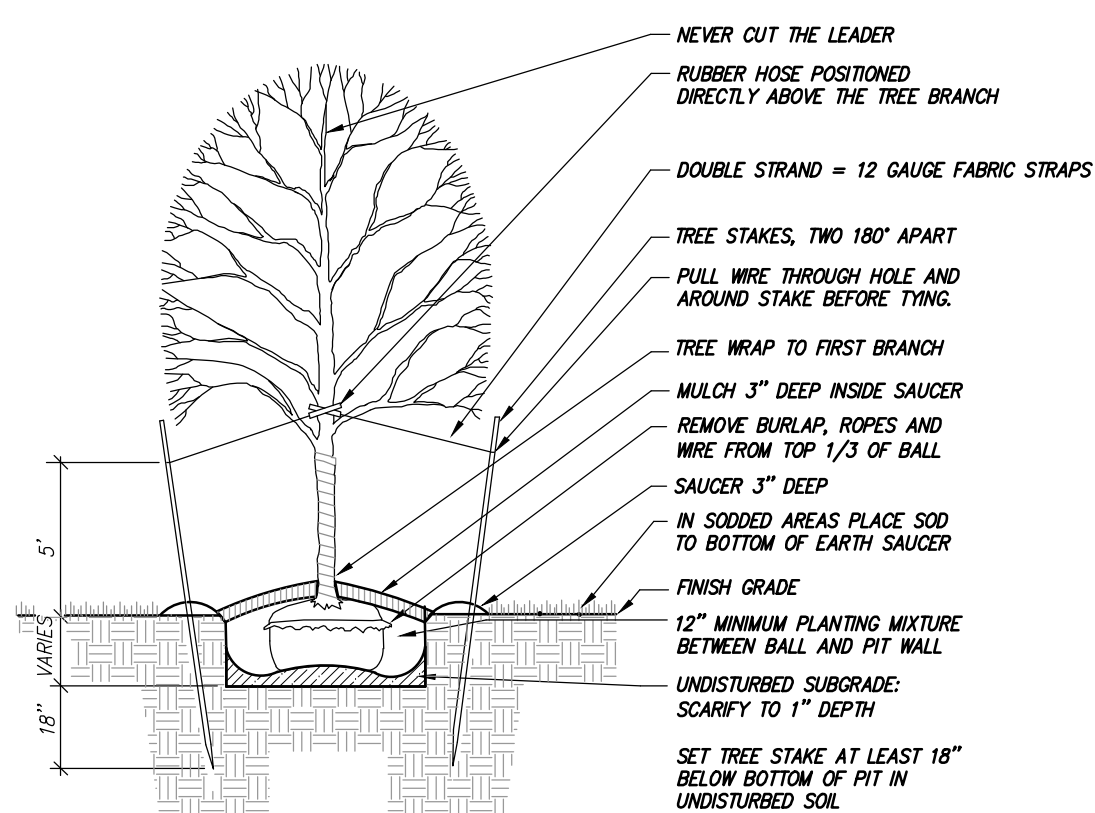


## LANDSCAPE NOTES:

1. INSTALL 3" DEEP SHREDED BARK MULCH TO ALL PLANTING AREAS / BEDS / WETLAND AREAS.
2. CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES, PIPES AND STRUCTURES, AS WELL AS THE LOCATION OF EXISTING TREES AND VEGETATION. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COST INCURRED DUE TO DAMAGE/REMOVAL OF SAID ELEMENTS.
3. ANY DISCREPANCIES BETWEEN PLANS, NOTES, DETAILS AND EXISTING CONDITIONS SHALL BE IMMEDIATELY REPORTED TO THE OWNER'S AUTHORIZED REPRESENTATIVE FOR REVIEW AND DECISION. CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL REVISIONS DUE TO FAILURE TO GIVE SUCH NOTIFICATION.
4. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING MATERIALS/IMPROVEMENTS, DAMAGED DURING CONSTRUCTION.
5. SITE BOUNDARY, TOPOGRAPHY, UTILITIES AND OTHER BASE INFORMATION PROVIDED BY OTHERS.
6. CONTRACTOR SHALL VERIFY QUANTITIES SHOWN ON PLANT SCHEDULES AND THOSE INDICATED ON PLANS. CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF QUANTITIES DRAWN.
7. CONTRACTOR SHALL MAKE MINOR ADJUSTMENTS TO PLANT MATERIAL LOCATIONS IN FIELD, AS NECESSARY. THE LOCATION OF ALL PLANT MATERIAL SHALL BE SUBJECT TO APPROVAL BY THE OWNER'S AUTHORIZED REPRESENTATIVE.
8. ALL PLANT MATERIAL SHALL BE OF THE SIZES CALLED FOR IN THE PLANT SCHEDULES. ANY PLANT MATERIAL NOT MEETING THE SIZED AND/OR QUALITY AS CALLED FOR SHALL BE REMOVED FROM SITE. ALL TREES SHALL BE INSPECTED AND APPROVED BY THE OWNER'S AUTHORIZED REPRESENTATIVE. NO SUBSTITUTIONS OF PLANT MATERIAL SHALL BE MADE WITHOUT APPROVAL FROM THE OWNER'S AUTHORIZED REPRESENTATIVE.
9. CONTRACTOR SHALL DETERMINE APPROPRIATE PLANTING BACKFILL MIXES (BASED ON SOILS/SUBSURFACE CONDITIONS) AND REVIEW ALTERNATIVES WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO INSTALLATION.
10. CONTRACTOR TO INCURE COST OF ALL MULCH IN THE COST OF THE PLANT MATERIAL.

*SEEDING NOTES:*

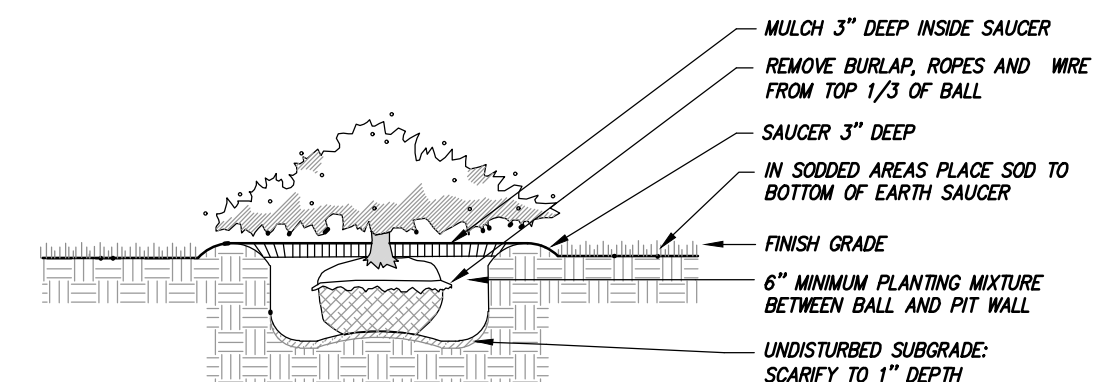
1. SEED ALL NON NATIVE DISTURBED AREAS UNLESS OTHERWISE NOTED WITH:  
EARTH CARPET QUICK TO GROW LAWN SEED MIXTURE  
25% PERENNIAL RYEGRASS  
25% KENTUCKY BLUEGRASS  
25% ANNUAL RYEGRASS  
25% CREEPING RED FESCUE  
  
APPLY AT THE RATE OF 5-6 POUNDS PER 1,000SF
2. MULCH BLANKETS SHALL BE USED IN ALL AREAS WITH 10% OR GREATER SLOPE



DEPENDENT UPON EXISTING SOIL TYPE AND DRAINAGE CAPABILITIES, TOP OF ROOT BALL SHALL BE PLACED BETWEEN 2"-8" ABOVE FINISH GRADE. (CLOSER TO 2" FOR WELL DRAINING SOILS; CLOSER TO 8" FOR POORLY DRAINING SOILS)

*DETAIL*

DECIDUOUS TREE PLANTING

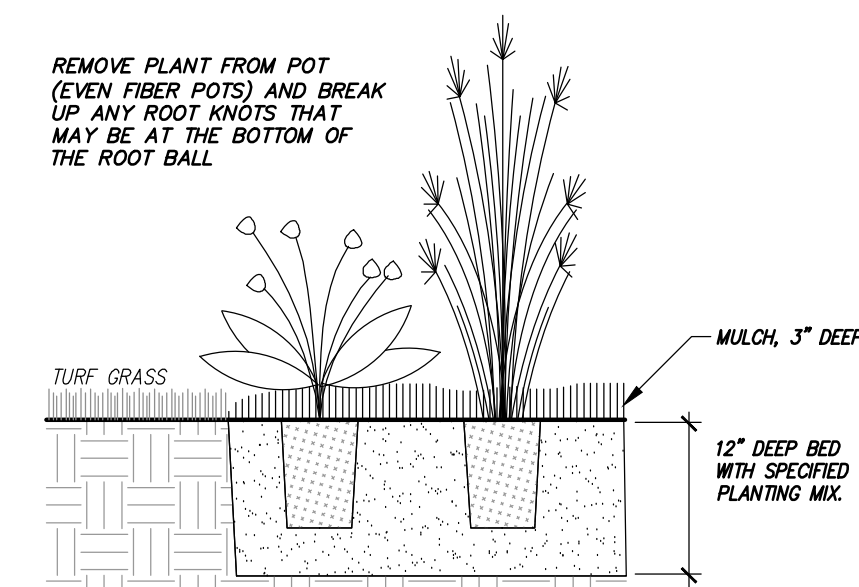


BEFORE BACKFILLING AROUND PLANT REMOVE ALL PLASTIC BALLING MATERIAL AND METAL CONTAINERS. PUNCH HOLES IN FIBER POTS TO PROVIDE DRAINAGE

*DETAIL*

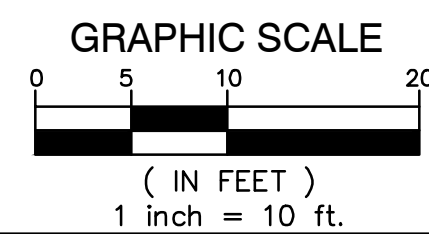
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*SHRUB PLANTING*



*DETAIL*

PERENNIAL / ORNAMENTAL GRASS PLANTING



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**FORD FIELD  
PLAYGROUND**

## LANDSCAPE PLAN

SECTION 3  
TOWN 1 SOUTH RANGE 8 EAST  
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WAYNE

NO.	DATE	REVISION

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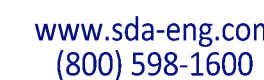
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UTILITY NC

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DeDECKER ASSOCIATES, INC.

## GRADING PLAN

NO.	DATE	REVISION
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DRAFTER CP	DATE 02-05
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DESIGNER CP	DATE 02-05
CHECKED NW	DATE 03-10
PROJECT MANAGER BF	BID PLAT 03-11

DEPARTMENT MANAGER APPROVAL	DATE
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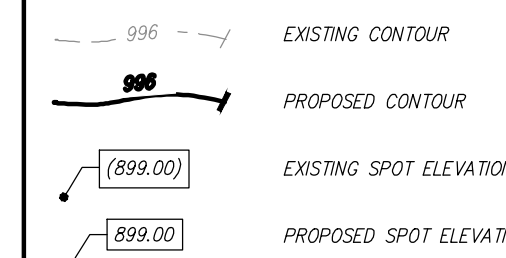
JOB NO.	DRAWING NO.
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UD24025	.
SCALE	QUEST NO



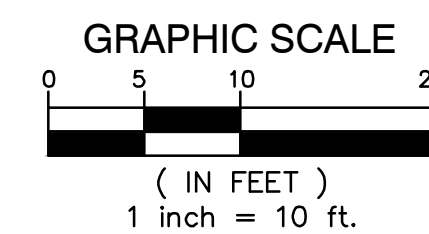
1. ALL PATHWAY CROSS SLOPES SHALL BE BETWEEN 1% AND 2%. RUNNING SLOPE SHALL BE BETWEEN 1 % AND 4.9%. CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ENSURING SIDEWALK SLOPES ARE WITHIN TOLERABLE LIMITS AND THAT ALL SIDEWALK AND RAMP SLOPES ARE IN COMPLIANCE WITH THE REGULATIONS AS SET FORTH IN THE AMERICANS WITH DISABILITIES ACT.

### GRADING LEGEND



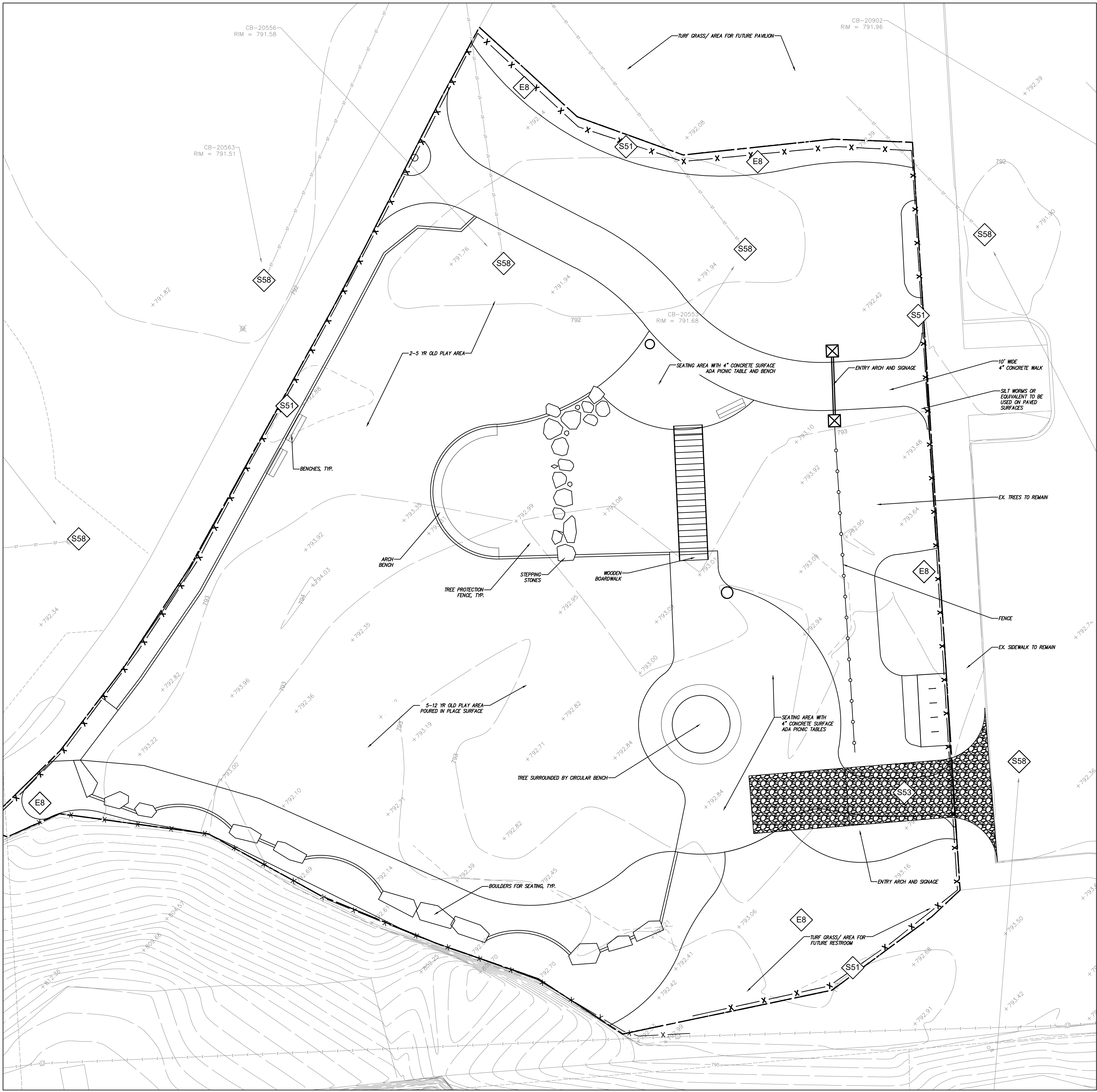
## SEEDING NOTES

1. SEED ALL NON NATIVE DISTURBED AREAS UNLESS OTHERWISE NOTED WITH:  
EARTH CARPET QUICK TO GROW LAWN SEED MIXTURE  
25% PERENNIAL RYEGRASS  
25% KENTUCKY BLUEGRASS  
25% ANNUAL RYEGRASS  
25% CREEPING RED FESCUE
- APPLY AT THE RATE OF 5-6 POUNDS PER 1,000SF
2. MULCH BLANKETS SHALL BE USED ON ALL SLOPES 10% OR GREATER





Plotted Mar 11, 2025 8:16 AM by user: 1182 - Saved 3/10/2025 by user: 1182  
L:\UD Projects\UD24025 - Ford Field Implementation\DWG\UD24025SEC.dwg



KEY	BEST MANAGEMENT PRACTICES	SYMBOL	WHERE USED
EROSION CONTROLS			
E8	PERMANENT SEEDING		Stabilization method utilized on sites where earth change has been completed (final grading attained).
SEDIMENT CONTROLS			
S51	SILT FENCE		Use adjacent to critical areas, to prevent sediment laden sheet flow from entering these areas.
S53	STABILIZED CONSTRUCTION ACCESS		Used at every point where construction traffic enters or leaves a construction site.
S58	INLET PROTECTION FABRIC DROP		Use at stormwater inlets, especially at construction sites.

- SESC NOTES:**
- THE SOIL EROSION PERMIT IS TO BE POSTED AT THE CONSTRUCTION ENTRANCE OF THE SITE UNTIL THE LAND IS PERMANENTLY STABILIZED AND THE PERMIT IS CLOSED BY THE PERMITTING AUTHORITY. FAILURE TO HAVE THE PERMIT POSTED COULD RESULT IN A CEASE AND DESIST ORDER. IT IS RECOMMENDED THAT THE PERMIT BE LAMINATED TO WITHSTAND THE WEATHER.
  - THE MAINTENANCE PROGRAM FOR ALL TEMPORARY AND PERMANENT SOIL EROSION CONTROL MEASURES, INCLUDING MAINTENANCE RESPONSIBILITIES, SHALL BECOME A PART OF ANY SALES OR EXCHANGE AGREEMENT FOR THE LAND ON WHICH PERMANENT SOIL EROSION CONTROL MEASURES ARE LOCATED.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADHERING TO ALL THE REQUIREMENTS OF THE SOIL EROSION AND SEDIMENTATION CONTROL PERMIT.
  - AN DRAIN INSPECTOR MUST BE PRESENT DURING ANY WORK ON STORM WATER STRUCTURES THAT ARE TO BE PUBLICLY DEDICATED OR WITHIN AN EASEMENT OR THOSE STRUCTURES DEEMED TO BE UNDER THE JURISDICTION OF THE DRAIN COMMISSIONER. THE DRAIN OFFICE IS TO BE NOTIFIED NO LESS THAN THREE BUSINESS DAYS IN ADVANCE OF THE WORK TO ARRANGE FOR AN INSPECTOR. EVERY ATTEMPT TO ACCOMMODATE PERMITTEE'S SCHEDULE WILL BE MADE WHEN NOTIFIED OF THE NEED FOR AN INSPECTOR. HOWEVER, FAILURE TO HAVE AN INSPECTOR AVAILABLE ON ANY PARTICULAR REQUESTED DAY DOES NOT ABSOLVE THE PERMITTEE OF THE REQUIREMENT TO HAVE AN INSPECTOR PRESENT DURING THE PERMITTED WORK.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF ALL TEMPORARY SOIL EROSION CONTROL MEASURES PRIOR TO OR AT THE COMMENCEMENT OF CONSTRUCTION ACTIVITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING ALL SOIL EROSION CONTROL MEASURES DAILY FOR EFFECTIVENESS AND FOR REPAIR, AS NEEDED. A DRAIN OFFICE INSPECTOR IS TO VERIFY PROPER INSTALLATION OF THESE MEASURES PRIOR TO EARTH DISTURBANCE.
  - STOCKPILE AREAS ARE TO BE LOCATED AT LEAST 50 FEET FROM SENSITIVE AREAS SUCH AS STREAMS, LAKES, AND WETLANDS AND AT LEAST 50 FEET FROM ALL PROPERTY BOUNDARIES. STOCKPILE AREAS SHALL BE TEMPORARILY STABILIZED WITH A COVER CROP OR GEO-MEMBRANE IF LEFT INACTIVE FOR GREATER THAN 30 DAYS.
  - PERMITTEE MUST STRICTLY MAINTAIN DUST CONTROL AT ALL TIMES DURING CONSTRUCTION AND UNTIL THE SOIL EROSION PERMIT IS CLOSED BY THE PERMITTING AUTHORITY.
  - ANY CATCH BASIN LOCATED ON-SITE OR WITHIN 50 FEET OF THE CONSTRUCTION DISTURBANCE SHALL HAVE TEMPORARY INLET PROTECTION. FILTER BAGS SUCH AS A SILT SACK OR EQUIVALENT ARE APPROVED METHODS FOR INLET PROTECTION.
  - ALL TEMPORARY SOIL EROSION CONTROL MEASURES WILL BE REMOVED WHEN THE PERMIT IS CLOSED.
  - THE DETENTION BASIN AND ALL AREAS OF DISTURBANCE ADJACENT TO REGULATED WETLANDS, SHALL HAVE TOPSOIL PLACED (6 INCHES), SEED (DOMINANT SEEDING IF SEEDING IS DONE IN LATE FALL OR WINTER), SILT STOP APPLIED, AND EROSION CONTROL MATING APPROPRIATE FOR THE SLOPE CONDITIONS (NORTH AMERICAN GREEN STROBIL OR EQUIVALENT) INSTALLED WITHIN 5 DAYS OF FINAL GRADING. BASINS ARE TO BE STABILIZED (VEGETATED) PRIOR TO ANY DISCHARGE OF STORM WATER INTO OR FROM A BASIN INTO THE WATERS OF THE STATE.
  - STORM SEWER EASEMENTS SHALL REMAIN FREE OF FENCES, EQUIPMENT, ETC. SO AS TO ALLOW MAINTENANCE VEHICLES TO SERVICE THE STORM SEWER SYSTEM. MOWING SHALL BE RESTRICTED TO NO CLOSER THAN 10 FEET AWAY FROM THE EDGE OF THE DETENTION BASIN.
  - DIRT TRACKED OFF SITE ONTO PUBLIC ROADS SHALL BE PROMPTLY REMOVED, NO LESS THAN ON A DAILY BASIS.
  - SEEDING AND MULCHING WITHIN EXISTING OR PROPOSED DRAIN RIGHTS-OF-WAY ARE TO FOLLOW STATE AND LOCAL GUIDELINES FOR NATIVE VEGETATION. SEEDING AND MULCHING SHALL FOLLOW GENERALLY ACCEPTED GUIDELINES AS OUTLINED IN THE MDO'S "GUIDEBOOK OF BMP'S FOR MICHIGAN WATERSHEDS" AND/OR THE MDO'S 2006 SOIL EROSION AND SEDIMENTATION CONTROL PROCEDURES MANUAL EXCEPT AS AMENDED IN WRITING BY THE LOCAL DRAIN AUTHORITY. REFER TO THE SEEDING CHART FOR SEED MIXTURES, APPLICATION RATES, AND SEEDING SCHEDULE.
  - RIP RAP OVER GEOTEXTILE FABRIC SHALL BE PROVIDED AT THE DOWNSTREAM SIDE OF ALL CULVERTS AND STORM SEWERS AND ON DITCH CENTERLINE SLOPES STEEPER THAN TWO PERCENT (2%) AND AS INDICATED ON THE PLANS. RIP RAP MUST BE NATURAL STONE IN ACCORDANCE WITH STATE AND LOCAL REQUIREMENTS.
  - SURPLUS SOIL SHALL BE BERMED ON THE SITE IN AN AREA OUTSIDE OF THE PAVED PARKING AND THE DETENTION BASIN. BERMS SHALL NOT EXCEED GRADING PERIMETERS AS SHOWN ON THE PLANS OVER EXISTING OR PROPOSED BURIED UTILITIES.
  - IF THE PROPERTY SUBJECT TO THE SOIL EROSION PERMIT IS TRANSFERRED, THE PERMIT, INCLUDING ALL PERMIT OBLIGATIONS AND CONDITIONS, ARE TRANSFERRED WITH THE PROPERTY ALONG WITH THE RESPONSIBILITY FOR ANY VIOLATIONS OF THE PERMIT THAT EXIST ON THE DATE OF THE TRANSFER OF THE PROPERTY. IF A PARCEL OF THE PROPERTY, BUT NOT THE ENTIRE PROPERTY IS TRANSFERRED, THE PERMIT OBLIGATIONS AND CONDITIONS WITH RESPECT TO THAT PARCEL ARE TRANSFERRED, BUT NOT THE PERMIT, ALONG WITH THE RESPONSIBILITY FOR ANY VIOLATIONS OF THE PERMIT WITH RESPECT TO THAT PARCEL. THAT EXIST ON THE DATE OF THE TRANSFER OF THE PARCEL. NOTICE OF PROPERTY OR PARCEL TRANSFERS SHALL BE SUBMITTED TO THE DRAIN OFFICE PRIOR TO TRANSFER AND OTHERWISE SHALL BE IN COMPLIANCE WITH MCL 324.9112.
  - APPROVAL OF THE SOIL EROSION PERMIT DOES NOT AUTHORIZE CONNECTION TO ANY COUNTY DRAIN, OCCUPATION OF ANY EASEMENT OF A COUNTY DRAIN, OR CROSSING OF ANY COUNTY DRAIN. A SEPARATE TAP-IN PERMIT, OCCUPATION LICENSE, OR CROSSING PERMIT MUST BE ISSUED BY THE DRAIN COMMISSIONER PRIOR TO ANY SUCH WORK. PERMITS TO CROSS OR CONNECT THE COUNTY DRAIN WILL NOT BE ISSUED UNTIL ALL PERMITS ARE ISSUED BY THE MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES AND ENERGY (EGLE) FOR THAT WORK, AND COPIES OF SAME ARE SUBMITTED TO THE DRAIN COMMISSIONER.
  - APPROVAL OF THE SOIL EROSION PERMIT DOES NOT AUTHORIZE ANY EARTH DISTURBANCE ACTIVITY IN STATE REGULATED WETLANDS UNTIL A PERMIT, OBTAINED FROM EGLE, IS SUBMITTED AUTHORIZING THAT EARTH DISTURBANCE ACTIVITY OR SEDIMENTATION OF THE WETLANDS.
  - APPROVAL OF THE SOIL EROSION PERMIT DOES NOT AUTHORIZE ANY EARTH DISTURBANCE ACTIVITY OFF-SITE UNTIL PERMISSION IS OBTAINED AND SUBMITTED TO THE DRAIN COMMISSIONER FROM THE LANDOWNERS OF THOSE PROPERTIES ON WHICH THE DISTURBANCE IS TO OCCUR AND A SOIL EROSION PLAN IS SUBMITTED AND APPROVED BY THE DRAIN COMMISSIONER FOR THAT WORK, INCLUDING, BUT NOT LIMITED TO, PLACEMENT OF EXCAVATED MATERIAL FROM THIS SITE.

#### SOIL EROSION CONTROL DEVICES

- X — 24" SILT FENCE
- - - LIMITS OF DISTURBANCE
- SESC SYMBOL  
E=EROSION CONTROL, ES=EROSION/SEDIMENT CONTROL,  
S=SEDIMENT CONTROL

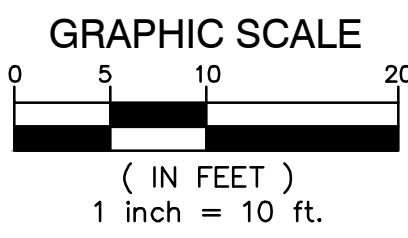
#### SEEDING NOTES:

- SEED ALL NON NATIVE DISTURBED AREAS UNLESS OTHERWISE NOTED WITH:
  - EARTH CAREER QUICK TO GROW LAWN SEED MIXTURE
  - 25% PERENNIAL RYEGRASS
  - 25% KENTUCKY BLUEGRASS
  - 25% ANNUAL RYEGRASS
  - 25% CREEPING RED FESCUE

APPLY AT THE RATE OF 5-6 POUNDS PER 1,000SF

#### PROJECT SEQUENCING

- INSTALL TEMPORARY SESC MEASURES
- DEMOLITION OF EXISTING STRUCTURES AND PAVEMENTS
- EXCAVATION AND SITE GRADING
- INSTALL STORM STRUCTURES AND UTILITIES
- INSTALL PLAYGROUND AND SITE AMENITIES
- CONSTRUCT CONCRETE WALKS
- CONSTRUCT PLAYGROUND AND SITE AMENITIES
- SITE RESTORATION, SEEDING, AND LANDSCAPING
- REMOVE TEMPORARY SESC MEASURES ONCE LAWN AREAS ARE ESTABLISHED AND PRIOR TO CLOSURE OF SESC PERMIT



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(800) 598-1600

**811**  
Know what's below.  
Call before you dig.  
PRIOR TO CONSTRUCTION, ALL LOCATIONS AND DEPTHS OF EXISTING UTILITIES (IN CONFLICT WITH PROPOSED IMPROVEMENTS) SHALL BE VERIFIED IN THE FIELD. CALL MISS DIG 3 WORKING DAYS PRIOR TO CONSTRUCTION.  
**UTILITY NOTE**  
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**FORD FIELD PLAYGROUND**  
**SOIL AND EROSION CONTROL PLAN**  
SECTION 3  
TOWN 1 SOUTH RANGE 8 EAST  
CITY OF NORTHVILLE  
WAYNE  
NO. DATE REVISION  
VERIFICATION SCALES  
BAR IS ONE INCH ON ORIGINAL DRAWING  
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY  
DRAWER CP DATE 12-31-24  
DESIGNER CP DATE 12-31-24  
CHECKED NW DATE 03-10-25  
PROJECT MANAGER BF BID PLAN DATE 03-11-25  
DEPARTMENT MANAGER APPROVAL DATE  
JOB NO. UD24025 DRAWING NO.  
SCALE: 1" = 10' SHEET NO. C 7.0



E8

PERMANENT SEEDING SPECIFICATIONS

When

- To finalize stabilization of temporary seeding areas or when an area needs permanent stabilization following completion of construction. Also used when vegetative establishment can correct existing soil erosion or sedimentation problem.
- Within 5 days of final grade.

Why

- To stabilize soil and prevent or reduce soil erosion/sedimentation problems from developing.

Where

- Used on construction and earth change sites which require permanent vegetative stabilization.

How

- Review SESC plan and construction phasing to identify areas in need of permanent vegetative stabilization.
- Select perennial grass and ground cover for permanent cover.
- Seed mixes vary. However, they should contain native species.
- Seed mixes should be selected through consultation with a certified seed provider and with consideration of soil type, light, moisture, use applications, and native species content.
- Soil tests should be performed to determine the nutrient and pH levels in the soil. The pH may need to be adjusted to between 6.5 and 7.0.
- Prepare a 3–5" deep seedbed, with the top 3–4" consisting of topsoil.
- Slopes steeper than 1:3 should be roughened.
- Apply seed as soon as possible after seedbed preparation. Seed may be broadcast by hand, hydroseeding, or by using mechanical drills.
- Mulch immediately after seeding.
- Dormant seed mixes are for use after the growing season, using seed which lies dormant in the winter and begins growing as soon as site conditions become favorable.

STANDARD SYMBOL

E8

PERMANENT SEEDING SPECIFICATIONS

How (cont.)

- Protect seeded areas from pedestrian or vehicular traffic.
- Divert concentrated flows away from the seeded area until vegetation is established.

Maintenance

- Inspect weekly and within 24 hours following each rain event in the first few months following installation to be sure seed has germinated and permanent vegetative cover is being established.
- Add supplemental seed as necessary.

Limitations

- Seeds need adequate time to establish.
- May not be appropriate in areas with frequent traffic.
- Seeded areas may require irrigation during dry periods.
- Seeding success is site specific, consider mulching or sodding when necessary.

STANDARD SYMBOL

E8

PERMANENT SEEDING

Planting Zones	Lower Peninsula (South of 42°N) Zone 1	Lower Peninsula (North of 42°N) Zone 2	Upper Peninsula Zone 3
Seeding Window Permanent Seeding	4/15 – 10/10	5/1 – 10/1	5/1 – 9/20
Seeding Window Dormant Seeding*	11/15 – Freeze	11/01 – Freeze	11/01 – Freeze

Source: Adapted from MDOT Interim 2003 Standard Specifications for Construction

	Zone 1 Lower Peninsula (South of U.S. 10)	Zone 2 Lower Peninsula (North of U.S. 10)	Zone 3 Upper Peninsula
Seeding Dates (with Irrigation or Mulch)	4/1 – 8/1	5/1 – 9/20	5/1 – 9/10
Seeding Dates (w/o Irrigation or Mulch)	4/1 – 5/20 8/10 – 10/1	5/1 – 6/10 8/1 – 9/20	5/1 – 6/15 8/1 – 9/20
Dormant Seeding Dates*	11/1 – Freeze	10/25 – Freeze	10/25 – Freeze

Source: Adapted from USDA NRCS Technical Guide #342 (1999)

\* Dormant seeding is for use in the late fall after the soil temperature remains consistently below 50°F, prior to the ground freezing. This practice is appropriate if construction on a site is completed in the fall but the seed was not planted prior to recommended seeding dates. No seed germination will take place until spring. A cool season annual grass may be added in an attempt to have some fall growth.

- Mulch must be used with dormant seed.
- Do not seed when the ground is frozen or snow covered.
- Do not use a dormant seed mix on grassed waterways.

STANDARD SYMBOL

S58

INLET PROTECTION – FABRIC DROP

STANDARD SYMBOL

Paved storm sewer inlets shall be protected by a high flow sack type inlet filter conforming to Silt Sack – High Flow by ACF Environmental or Inlet Pro – High Flow sediment bag by Hanes Geo Components or Catch-All Inlet Filters by Marathon Materials Inc. or Dandy Curb Sack by Dandy Products, Inc.

INLET PROTECTION – FABRIC DROP SPECIFICATIONS

S58

When

- When sediment laden stormwater requires treatment before entering a stormwater drainage system.

Why

- To prevent sediment from entering stormwater systems.

Where

- Use in or at stormwater inlets, especially at construction sites or in streets.

How

- A filter fabric bag is hung inside the inlet, beneath the grate.
- Replace grate, which will hold bag in place.
- Anchor filter bag with 1" rebar for removal from inlet.
- Flaps of bag that extend beyond the bag can be buried in soil in earth areas.

Maintenance

- Drop inlet filters should be inspected routinely and after each major rain event.
- Damaged filter bags should be replaced.
- Clean and/or replace filter bag when 1/2 full.
- Replace clogged fabric immediately.
- If needed, initiate repairs immediately upon inspection.
- Remove entire protective mechanism when upgradient areas are stabilized and streets have been swept.

Limitations

- Can only accommodate small flow quantities.
- Requires frequent maintenance.
- Ponding may occur around storm drains if filter is clogged.

STANDARD SYMBOL

E8

PERMANENT SEEDING SPECIFICATIONS

When

- To finalize stabilization of temporary seeding areas or when an area needs permanent stabilization following completion of construction. Also used when vegetative establishment can correct existing soil erosion or sedimentation problem.
- Within 5 days of final grade.

Why

- To stabilize soil and prevent or reduce soil erosion/sedimentation problems from developing.

Where

- Used on construction and earth change sites which require permanent vegetative stabilization.

How

- Review SESC plan and construction phasing to identify areas in need of permanent vegetative stabilization.
- Select perennial grass and ground cover for permanent cover.
- Seed mixes vary. However, they should contain native species.
- Seed mixes should be selected through consultation with a certified seed provider and with consideration of soil type, light, moisture, use applications, and native species content.
- Soil tests should be performed to determine the nutrient and pH levels in the soil. The pH may need to be adjusted to between 6.5 and 7.0.
- Prepare a 3–5" deep seedbed, with the top 3–4" consisting of topsoil.
- Slopes steeper than 1:3 should be roughened.
- Apply seed as soon as possible after seedbed preparation. Seed may be broadcast by hand, hydroseeding, or by using mechanical drills.
- Mulch immediately after seeding.
- Dormant seed mixes are for use after the growing season, using seed which lies dormant in the winter and begins growing as soon as site conditions become favorable.

STANDARD SYMBOL

S51

SILT FENCE SPECIFICATIONS

When

- A temporary measure for preventing sediment movement.

Why

- Used to prevent sediment suspended in runoff from leaving an earth change area.

Where

- Use adjacent to critical areas, wetlands, base of slopes, and watercourses.

How

- Install parallel to a contour.
- The silt fence should be made of woven geotextile fabric.
- Silt fence should accommodate no more than 1/2 to 1 acre of drainage per 100' of fence.
- Dig a 6" trench along the area where the fence is to be installed.
- Place 6" of the silt fence bottom flap into the trench.
- Backfill the trench with soil and compact the soil on both sides. Create a small ridge on the up-slope side of the fence.
- Install wooden stakes 6 – 10' apart and drive into the ground a minimum of 12".
- Staple the geotextile fabric to the wooden stakes.
- Join sections of silt fence by wrapping ends together (See drawing).

Maintenance

- Inspect frequently and immediately after each storm event. Check several times during prolonged storm events. If necessary, repair immediately.
- If the sediment has reached 1/3 the height of the fence, the soil should be removed and disposed of in a stable upland site.
- The fence should be re-installed if water is seeping underneath it or if the fence has become ineffective.
- Silt fence should be removed once vegetation is established and up-slope area has stabilized.

STANDARD SYMBOL

S51

SILT FENCE SPECIFICATIONS

Limitations

- Silt fence may cause temporary ponding and could fail if too much water flows through the area.
- Do not use in areas with concentrated flows.
- Chance of failure increases if fence is installed incorrectly or if sediment accumulation is not removed.

STANDARD SYMBOL

## USDA SOILS MAP



### Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BtB	Boyer loamy sand, 0 to 6 percent slopes	0.2	2.4%
Cc	Cohodah fine sandy loam, frequently flooded	3.9	51.9%
GnB	Glynnwood loam, 2 to 6 percent slopes	3.4	45.7%
Totals for Area of Interest		7.4	100.0%

S53

STABILIZED CONSTRUCTION ACCESS

NOTES:

- Establish stabilized construction entrance prior to the initiation of site construction activities.
- Care should be taken to prevent material movement into adjacent wetlands/waterbodies.
- Care should be taken to maintain existing roadside drainage via culvert installation, with sediment sump placed downflow of culvert.

STANDARD SYMBOL

STABILIZED CONSTRUCTION ACCESS SPECIFICATIONS

S53

When

- Construction traffic is expected to leave a construction site.
- Stabilization of interior construction roads is desired.

Why

- To minimize tracking of sediment onto public roadways and to minimize disturbance of vegetation.

Where

- Stabilized construction entrances shall be located at every point where construction traffic enters or leaves a construction site. Vehicles leaving the site must be routed over the rock ingress/egress corridor.

How

- Stabilized construction access road should be established at the onset of the construction activities and maintained in place for the duration of the construction project.
- Installation of this practice should be the responsibility of the site clearing or excavating contractor.
- Access location should be cleared of woody vegetation.
- Non-woven geotextile fabric shall be placed over the existing ground prior to placing stone.
- Access size should be a minimum of 50'. (30' for single residence lot).
- Access width should be 12' minimum, flared at the existing road to provide a turning radius.
- Crushed aggregate (2" to 3"), or reclaimed or recycled concrete equivalent, shall be placed at least 8" deep over the length and width of the ingress/egress corridor.

Maintenance

- Periodic inspection and needed maintenance shall be provided after each rain event.
- Stabilized entrances shall be repaired and rock added as necessary.

STANDARD SYMBOL

STABILIZED CONSTRUCTION ACCESS SPECIFICATIONS

S53

Maintenance (cont.)

- Sediment deposited on public rights-of-way shall be removed immediately and returned to the construction site.
- If soils are such that washing of tires is required, it shall be done in a wash rack area, stabilized with stone, immediately prior to the construction access stabilized corridor.
- At the project completion, rock access road should be removed and disposed of unless utilized as subgrade for final road.

Limitations

- Effectiveness limited, sediment may be tracked onto roads requiring additional action.

STANDARD SYMBOL

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FORD FIELD PLAYGROUND

SOIL AND EROSION CONTROL DETAILS

SECTION 3

TOWN 1 SOUTH RANGE 8 EAST

CITY OF NORTHBVILLE

WAYNE

NO.	DATE	REVISION

VERIFY SCALES

BAR IS ONE INCH ON ORIGINAL DRAWING

IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DATE	DATE
12-31-24	12-31-24
12-31-24	12-31-24
03-10-25	03-10-25
03-11-25	03-11-25

JOB NO.	DRAWING NO.
UD24025	

SCALE:	SHEET NO.
	C 7.1



