

**FGM Architects Inc.**  
 475 Regency Park, Suite 325  
 O'Fallon, Illinois 62269

618.624.3364 OFFICE  
 618.624.3369 FAX

ILLINOIS PROFESSIONAL DESIGN  
 FIRM #184-000350

**CIVIL**  
**DATES ASSOCIATES, INC.**  
 205 LANDER COURT, SUITE 1  
 COLLINSVILLE, ILLINOIS 62234  
 618.383.0000 (O)  
 IL STATE CERTIFICATE OF AUTHORITY  
 NO. 184-001315

**LANDSCAPE**  
**DERMODY & ASSOCIATES, LLC**  
 2394 CHARLEMAGNE DR.  
 MARLINGTON HEIGHTS, MISSOURI 63043  
 314.205.8871 (O)

**M.E.P.**  
**BMC PARTNERSHIP, LLC**  
 121 W. MAIN ST., SUITE 205  
 BELLVILLE, ILLINOIS 62220  
 618.277.2200 (O)  
 IL STATE CERTIFICATE OF AUTHORITY  
 NO. 184-004245

**STRUCTURAL**  
**ASDG, LLC**  
 2000 PRINCE OF GEORGES RD  
 FAIRVIEW HEIGHTS, ILLINOIS 62208  
 618.406.8867 (O)  
 IL STATE CERTIFICATE OF AUTHORITY  
 NO. 184-003843

**NOT FOR CONSTRUCTION**

FOR REVIEW ONLY  
 Not for regulatory approval, permit or construction.

The information on this document is preliminary or incomplete, not for construction, recording purposes, or implementation.

ISSUANCE	
NO	DESCRIPTION
11/08/2024	100% CONSTRUCTION DOCUMENTS

**CAVC NEW BUILDING**  
 COLLINSVILLE CUSD 10  
 1050 CASEYVILLE ROAD  
 COLLINSVILLE, IL, 62234

**100% CONSTRUCTION DOCUMENTS**

**OVERALL SITE PLAN**

SHEET NO.  
**C2.0**

JOB NO. 22-3613.02  
 © 2024 FGM Architects Inc.

**LOT COVERAGE**  
 TOTAL PROPERTY AREA = 20.93 ACRES  
 TOTAL DISTURBED AREA = 9.71 ACRES  
 TOTAL PROPOSED IMPERVIOUS = 4.99 ACRES (23.84% TOTAL PROPOSED COVERAGE)

- NEW WORK LEGEND**
- NEW ASPHALT PAVEMENT, SEE DETAIL 6, SHEET C2.3
  - NEW CONCRETE PAVEMENT, SEE DETAIL 4, SHEET C2.3  
 SIDEWALK OR RAMP, SEE DETAIL 1, SHEET 2.3
  - NEW PLUS DUTY ASPHALT PAVEMENT, SEE DETAIL 8, SHEET 2.3
  - NEW RETAINING WALL, SEE DETAIL 9, SHEET 2.3

NOTE:  
 UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS. THEIR LOCATIONS MUST BE CONSIDERED TO BE APPROXIMATE ONLY. IT IS POSSIBLE THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS NOT PRESENTLY KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATION AND TO AVOID DAMAGE THERETO.

P:\24\25\25024 - CAVC Building for C2024\DWG\C2024020 - Overall.sxd  
 Date: 11/08/2024 1:47:01 PM  
 User: J. McLaughlin  
 Copyright © 2024 FGM Architects Inc.

**NOT FOR  
 CONSTRUCTION**

**FOR REVIEW ONLY**  
 Not for regulatory approval, permit or construction.  
 The information on this document is preliminary or incomplete, not for construction, recording purposes, or implementation.

ISSUANCE	
NO	DESCRIPTION
11/08/2024	100% CONSTRUCTION DOCUMENTS

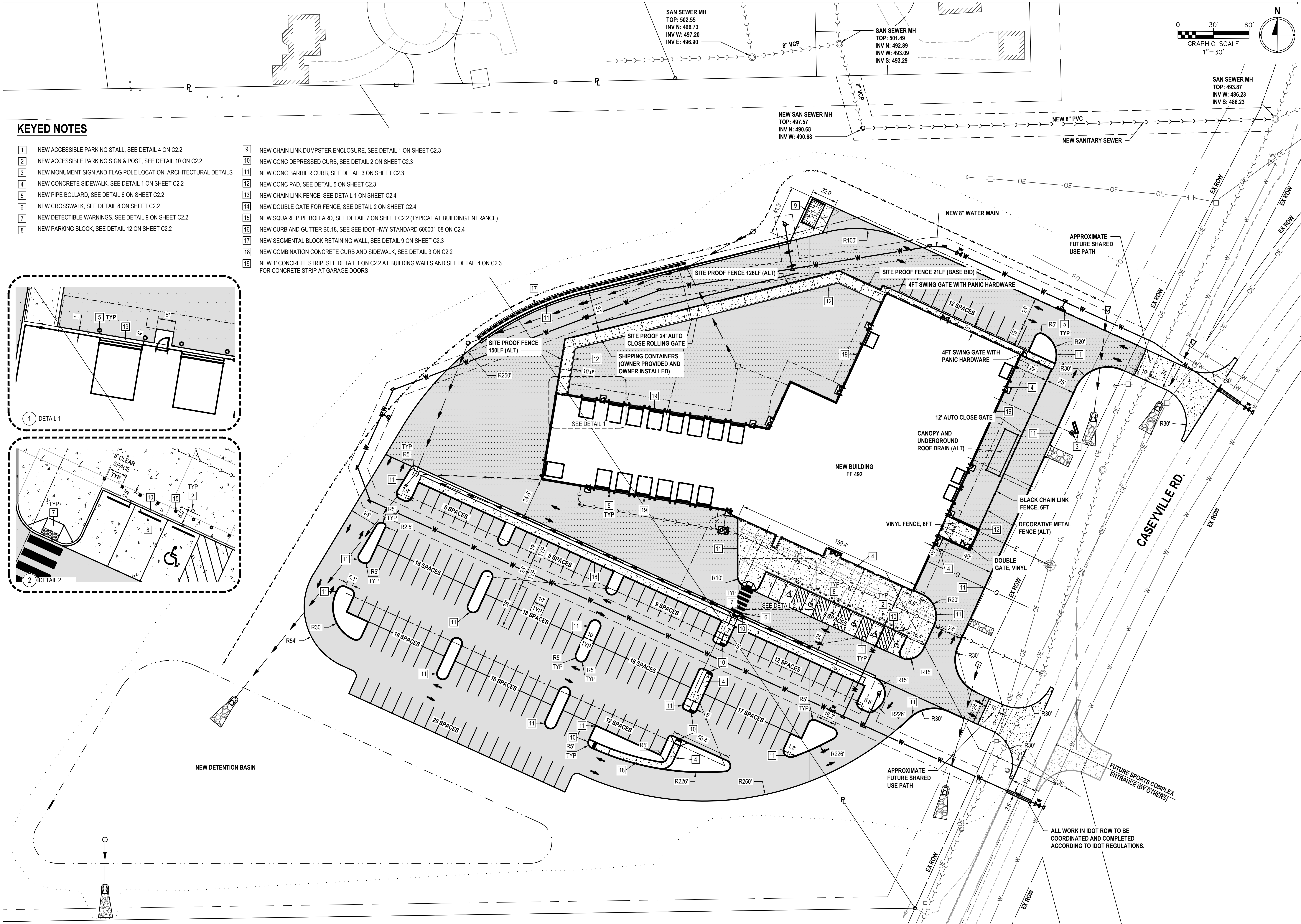
**CAVC NEW BUILDING**  
 COLLINGSVILLE CUSD 10  
 1050 CASEYVILLE ROAD  
 COLLINGSVILLE, IL, 62234

100% CONSTRUCTION DOCUMENTS

**SITE PLAN**

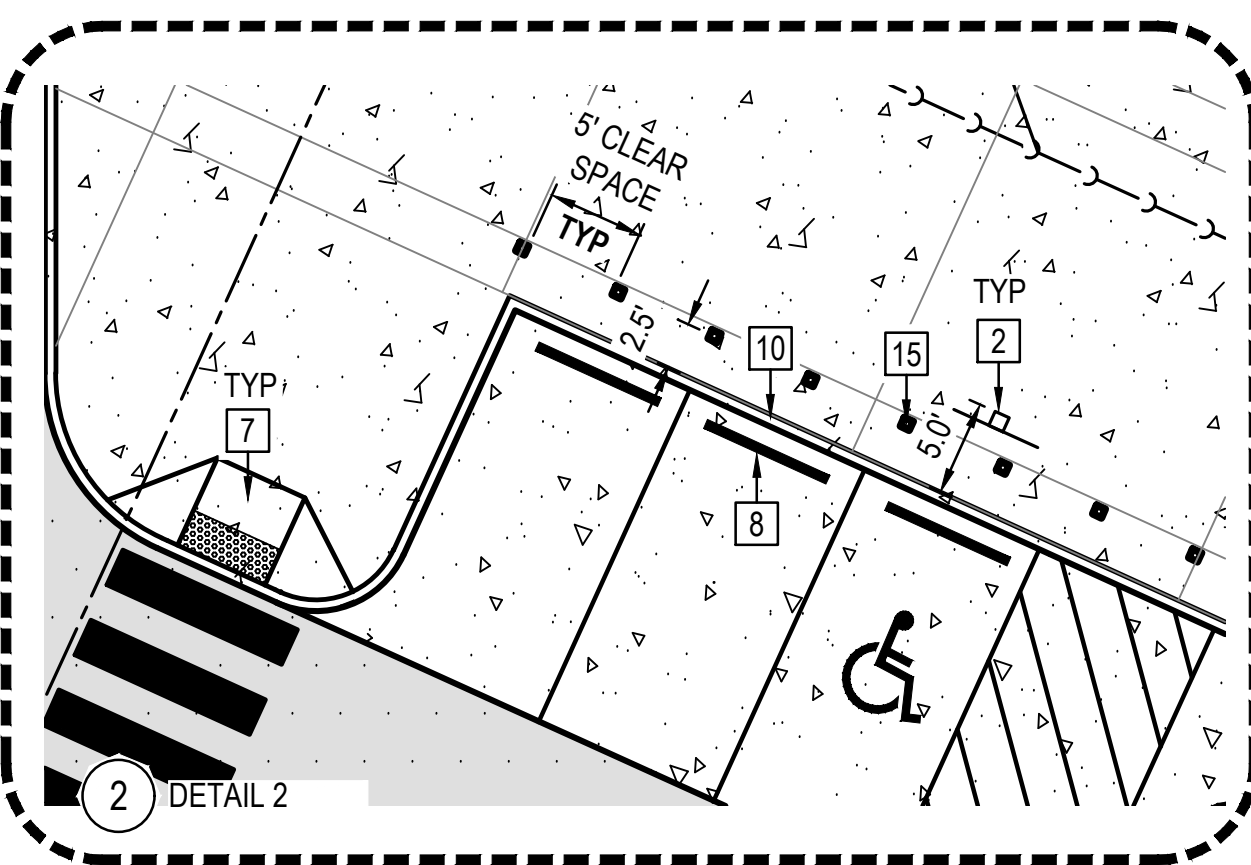
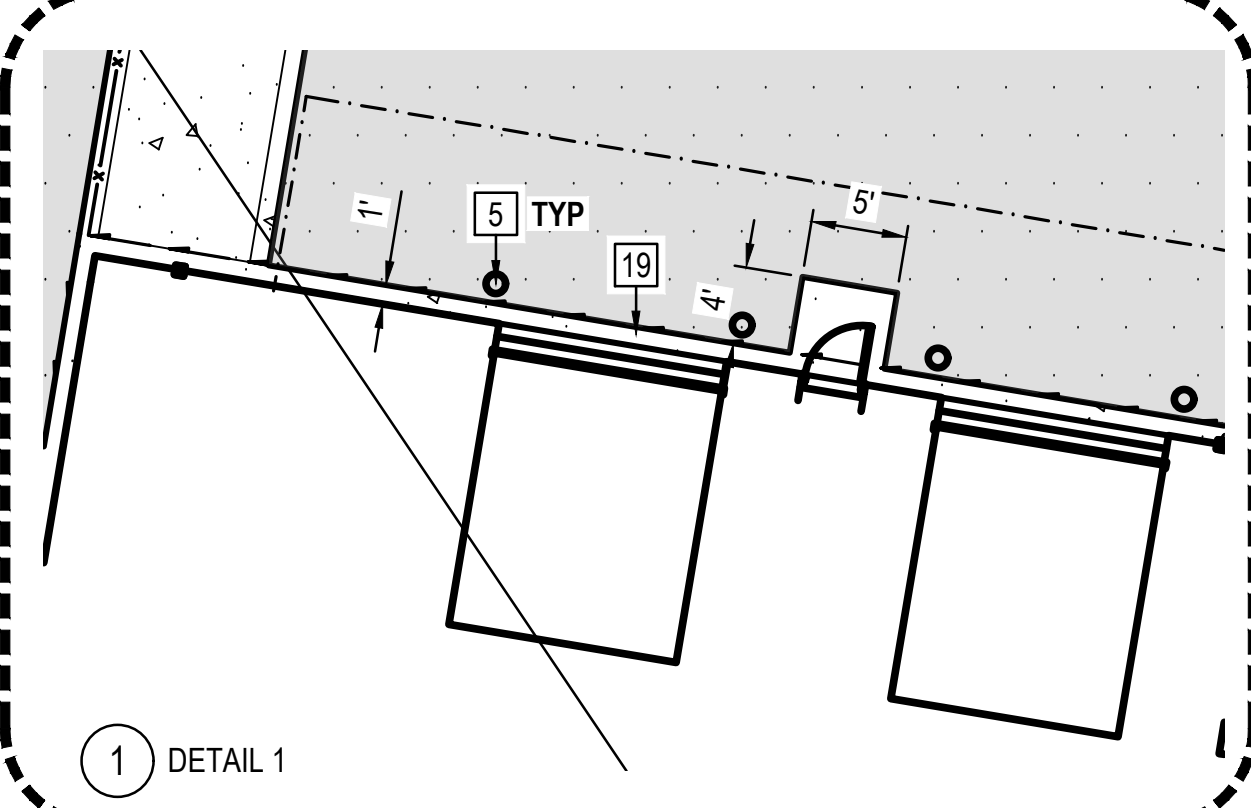
SHEET NO.  
**C2.1**

JOB NO. 22-3613.02  
 © 2024 FGM Architects Inc.



**KEYED NOTES**

- 1 NEW ACCESSIBLE PARKING STALL, SEE DETAIL 4 ON C2.2
- 2 NEW ACCESSIBLE PARKING SIGN & POST, SEE DETAIL 10 ON C2.2
- 3 NEW MONUMENT SIGN AND FLAG POLE LOCATION, ARCHITECTURAL DETAILS
- 4 NEW CONCRETE SIDEWALK, SEE DETAIL 1 ON SHEET C2.2
- 5 NEW PIPE BOLLARD, SEE DETAIL 6 ON SHEET C2.2
- 6 NEW CROSSWALK, SEE DETAIL 8 ON SHEET C2.2
- 7 NEW DETECTIBLE WARNINGS, SEE DETAIL 9 ON SHEET C2.2
- 8 NEW PARKING BLOCK, SEE DETAIL 12 ON SHEET C2.2
- 9 NEW CHAIN LINK DUMPSTER ENCLOSURE, SEE DETAIL 1 ON SHEET C2.3
- 10 NEW CONC DEPRESSED CURB, SEE DETAIL 2 ON SHEET C2.3
- 11 NEW CONC BARRIER CURB, SEE DETAIL 3 ON SHEET C2.3
- 12 NEW CONC PAD, SEE DETAIL 5 ON SHEET C2.3
- 13 NEW CHAIN LINK FENCE, SEE DETAIL 1 ON SHEET C2.4
- 14 NEW DOUBLE GATE FOR FENCE, SEE DETAIL 2 ON SHEET C2.4
- 15 NEW SQUARE PIPE BOLLARD, SEE DETAIL 7 ON SHEET C2.2 (TYPICAL AT BUILDING ENTRANCE)
- 16 NEW CURB AND GUTTER B6.18, SEE SEE IDOT HWY STANDARD 606001-08 ON C2.4
- 17 NEW SEGMENTAL BLOCK RETAINING WALL, SEE DETAIL 9 ON SHEET C2.3
- 18 NEW COMBINATION CONCRETE CURB AND SIDEWALK, SEE DETAIL 3 ON C2.2
- 19 NEW 1' CONCRETE STRIP, SEE DETAIL 1 ON C2.2 AT BUILDING WALLS AND SEE DETAIL 4 ON C2.3 FOR CONCRETE STRIP AT GARAGE DOORS



**NEW WORK LEGEND**

- NEW ASPHALT PAVEMENT, SEE DETAIL 6, SHEET C2.3
- NEW CONCRETE PAVEMENT, SEE DETAIL 4, SHEET C2.3
- NEW PLUS DUTY ASPHALT PAVEMENT, SEE DETAIL 8, SHEET 2.3
- NEW RETAINING WALL, SEE DETAIL 9, SHEET 2.3
- NEW 6" ROOF DRAIN
- NEW DRAIN TILE

**PARKING SPACES**

- STANDARD SPACE REQUIREMENTS:  
 4 SPACES PER 1,000 SQFT OF FLOOR AREA  
 45,637 SQFT OF FLOOR AREA REQUIRES 183 SPACES
- |                                   |     |
|-----------------------------------|-----|
| STANDARD SPACES PROVIDED          | 189 |
| ADA ACCESSIBLE SPACES PROVIDED    | 6   |
| ELECTRIC VEHICLE PARKING PROVIDED | 0   |
| TOTAL PARKING SPACES PROVIDED     | 195 |
- ADA ACCESSIBLE SPACE REQUIREMENTS:  
 PARKING OF SIZE 151 TO 200 REQUIRES 6 SPACES  
 6 ADA ACCESSIBLE SPACES PROVIDED

NOTE:  
 UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS. THEIR LOCATIONS MUST BE CONSIDERED TO BE APPROXIMATE ONLY. IT IS POSSIBLE THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS NOT PRESENTLY KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATION AND TO AVOID DAMAGE THERETO.

NOT FOR CONSTRUCTION

FOR REVIEW ONLY Not for regulatory approval, permit or construction. The information on this document is preliminary or incomplete, not for construction, recording purposes, or implementation.

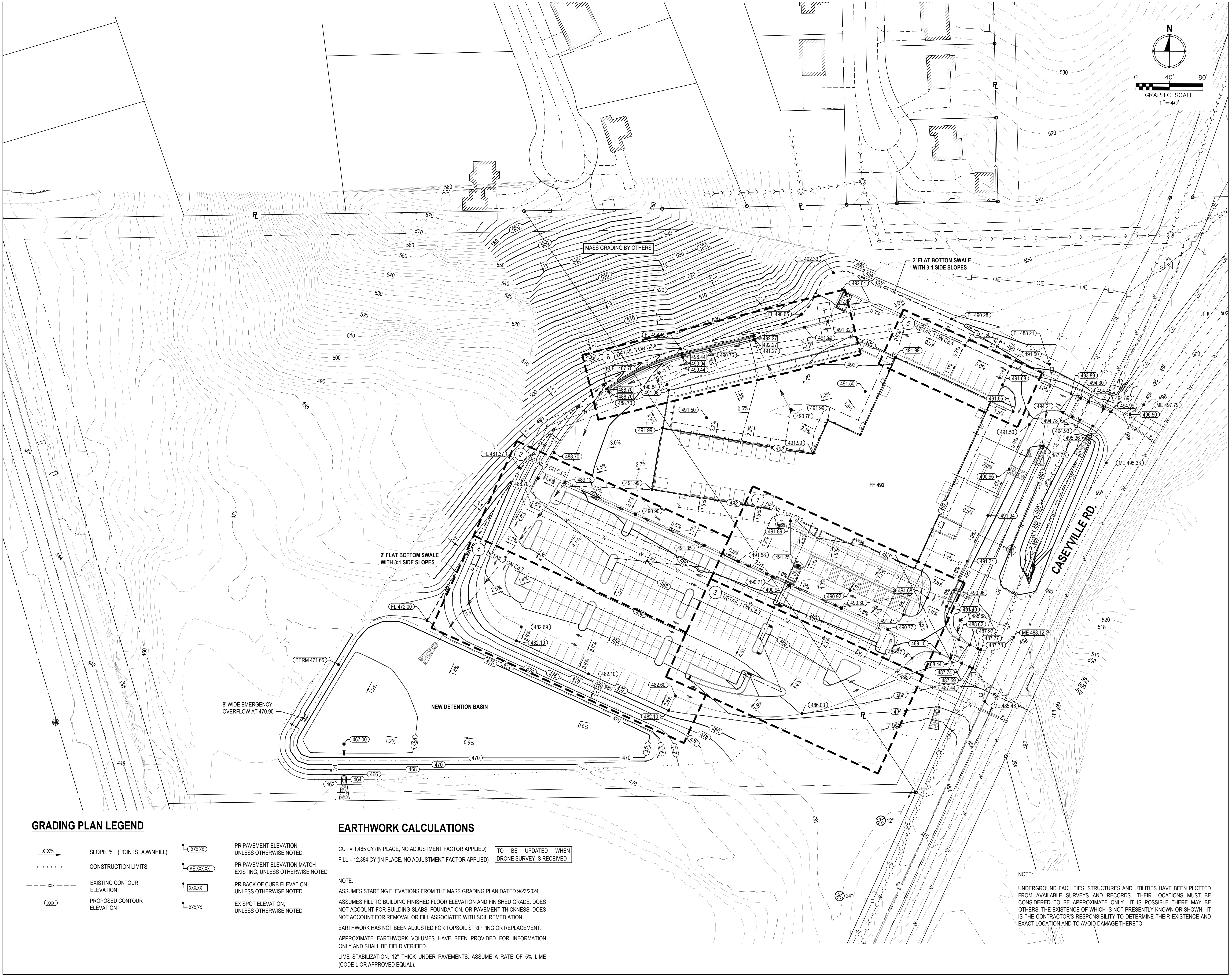
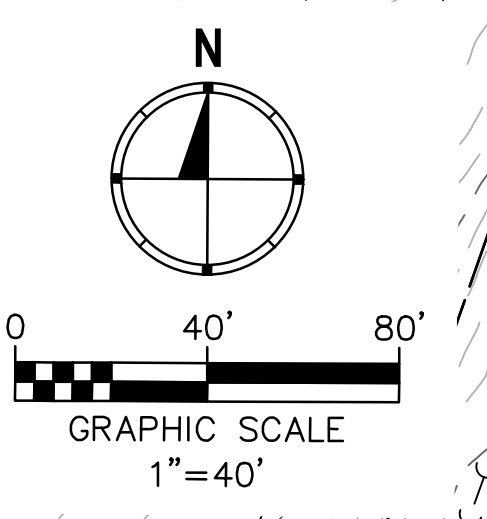
Table with 2 columns: NO, DATE, DESCRIPTION. Row 1: 11/08/2024, 100% CONSTRUCTION DOCUMENTS

CAVC NEW BUILDING COLLINGSVILLE CUSD 10 1050 CASEVILLE ROAD COLLINGSVILLE, IL, 62234 100% CONSTRUCTION DOCUMENTS

GRADING PLAN

SHEET NO. C3.0

JOB NO. 22-3613.02 © 2024 FGM Architects Inc.



GRADING PLAN LEGEND

- X.X% SLOPE, % (POINTS DOWNHILL)
..... CONSTRUCTION LIMITS
---xxx--- EXISTING CONTOUR ELEVATION
---xxx--- PROPOSED CONTOUR ELEVATION

- XXXX PR PAVEMENT ELEVATION, UNLESS OTHERWISE NOTED
ME XXXX PR PAVEMENT ELEVATION MATCH EXISTING, UNLESS OTHERWISE NOTED
XXXX PR BACK OF CURB ELEVATION, UNLESS OTHERWISE NOTED
XXXX EX SPOT ELEVATION, UNLESS OTHERWISE NOTED

EARTHWORK CALCULATIONS

CUT = 1.465 CY (IN PLACE, NO ADJUSTMENT FACTOR APPLIED)
FILL = 12.384 CY (IN PLACE, NO ADJUSTMENT FACTOR APPLIED)
NOTE: ASSUMES STARTING ELEVATIONS FROM THE MASS GRADING PLAN DATED 9/23/2024
ASSUMES FILL TO BUILDING FINISHED FLOOR ELEVATION AND FINISHED GRADE. DOES NOT ACCOUNT FOR BUILDING SLABS, FOUNDATION, OR PAVEMENT THICKNESS. DOES NOT ACCOUNT FOR REMOVAL OR FILL ASSOCIATED WITH SOIL REMEDIATION.
EARTHWORK HAS NOT BEEN ADJUSTED FOR TOPSOIL, STRIPPING OR REPLACEMENT. APPROXIMATE EARTHWORK VOLUMES HAVE BEEN PROVIDED FOR INFORMATION ONLY AND SHALL BE FIELD VERIFIED.
LIME STABILIZATION, 12" THICK UNDER PAVEMENTS. ASSUME A RATE OF 5% LIME (CODE-L OR APPROVED EQUAL).

TO BE UPDATED WHEN DRONE SURVEY IS RECEIVED

NOTE: UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS. THEIR LOCATIONS MUST BE CONSIDERED TO BE APPROXIMATE ONLY. IT IS POSSIBLE THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS NOT PRESENTLY KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATION AND TO AVOID DAMAGE THERETO.

PLAN 11/13/2024 - CAVC Building for CDR/DRAWN/ISSUED - Daylight Copyright 2024 FGM Architects Inc.

**NOT FOR CONSTRUCTION**

FOR REVIEW ONLY  
 Not for regulatory approval, permit or construction.

The information on this document is preliminary or incomplete, not for construction, recording purposes, or implementation.

ISSUANCE	
NO	DESCRIPTION
11/08/2024	100% CONSTRUCTION DOCUMENTS

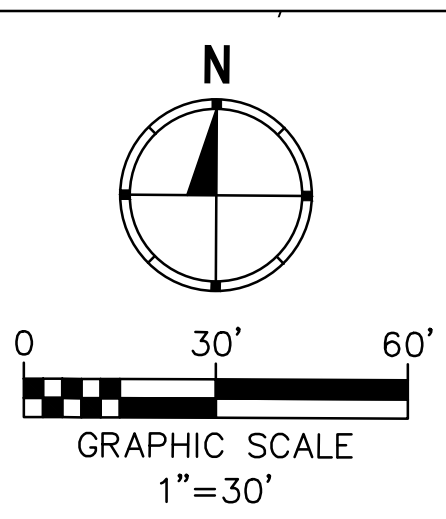
**CAVC NEW BUILDING**  
 COLLINSVILLE CUSD 10  
 1050 CASEVILLE ROAD  
 COLLINSVILLE, IL, 62234

100% CONSTRUCTION DOCUMENTS

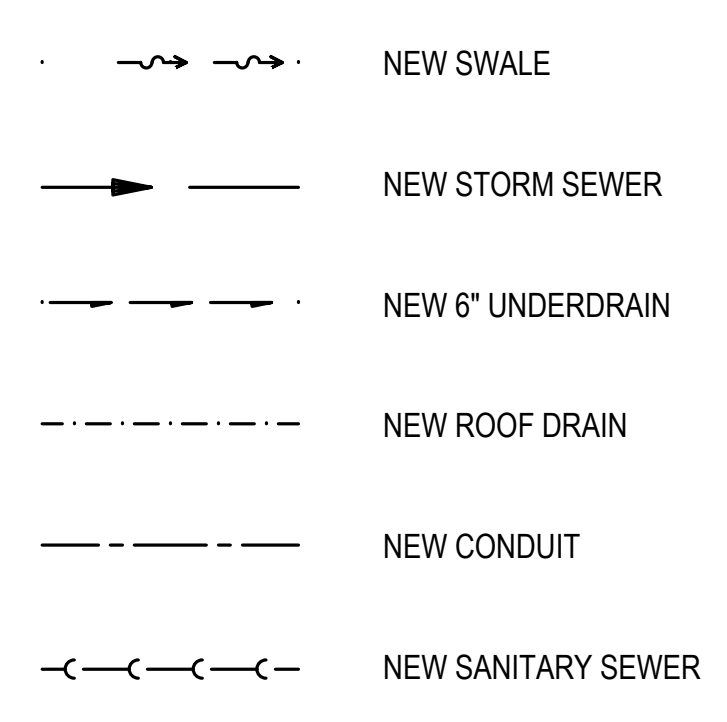
**DRAINAGE AND UTILITY PLAN**

SHEET NO. **C4.0**

JOB NO. 22-3613.02  
 © 2024 FGM Architects Inc.



**NEW WORK LEGEND**



**RIP RAP SIZING CHART\***

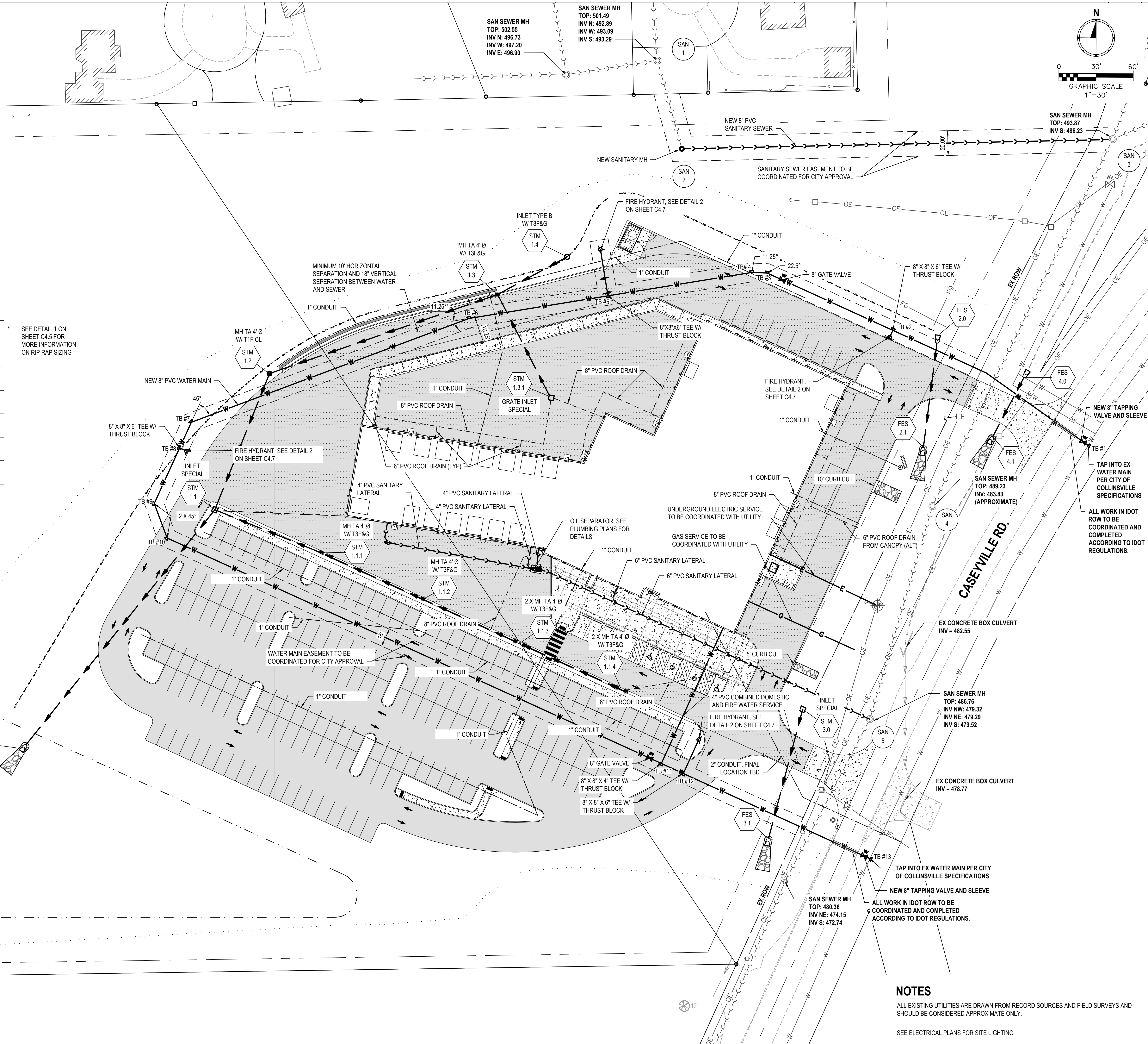
OUTLET STRUCTURE	IDOT RIP RAP GRADATION	APRON LENGTH (L) FT	APRON WIDTH (W) FT
FES 1.0	RR3	20	12
FES 2.1	RR3	20	12
FES 3.1	RR3	20	12
FES 4.1	RR3	20	12
FES 5.0	RR3	16	12

SEE DETAIL 1 ON SHEET C4.5 FOR MORE INFORMATION ON RIP RAP SIZING

**THRUST BLOCK SCHEDULE**

TB#	"A" (IN)	"B" (IN)
1	61	36
2	41	30
3	36	24
4	24	18
5	41	30
6	24	18
7	56	30
8	41	30
9	56	30
10	56	30
11	41	30
12	41	30
13	61	36

PER NFPA 24 THRUST BLOCKS ARE REQUIRED TO BE SIZED BASED ON CALCULATED THRUST FORCES. CONTRACTOR SHALL PROVIDE CALCULATIONS TO VERIFY BLOCK SIZING WHEN NFPA 24 IS APPLICABLE.

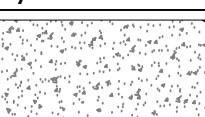
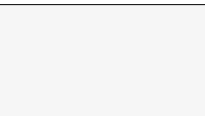
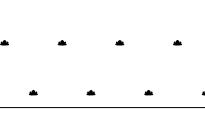
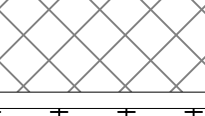
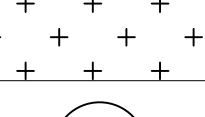




**NOTES**  
 ALL EXISTING UTILITIES ARE DRAWN FROM RECORD SOURCES AND FIELD SURVEYS AND SHOULD BE CONSIDERED APPROXIMATE ONLY.

SEE ELECTRICAL PLANS FOR SITE LIGHTING

ISSUANCE		
NO	DATE	DESCRIPTION

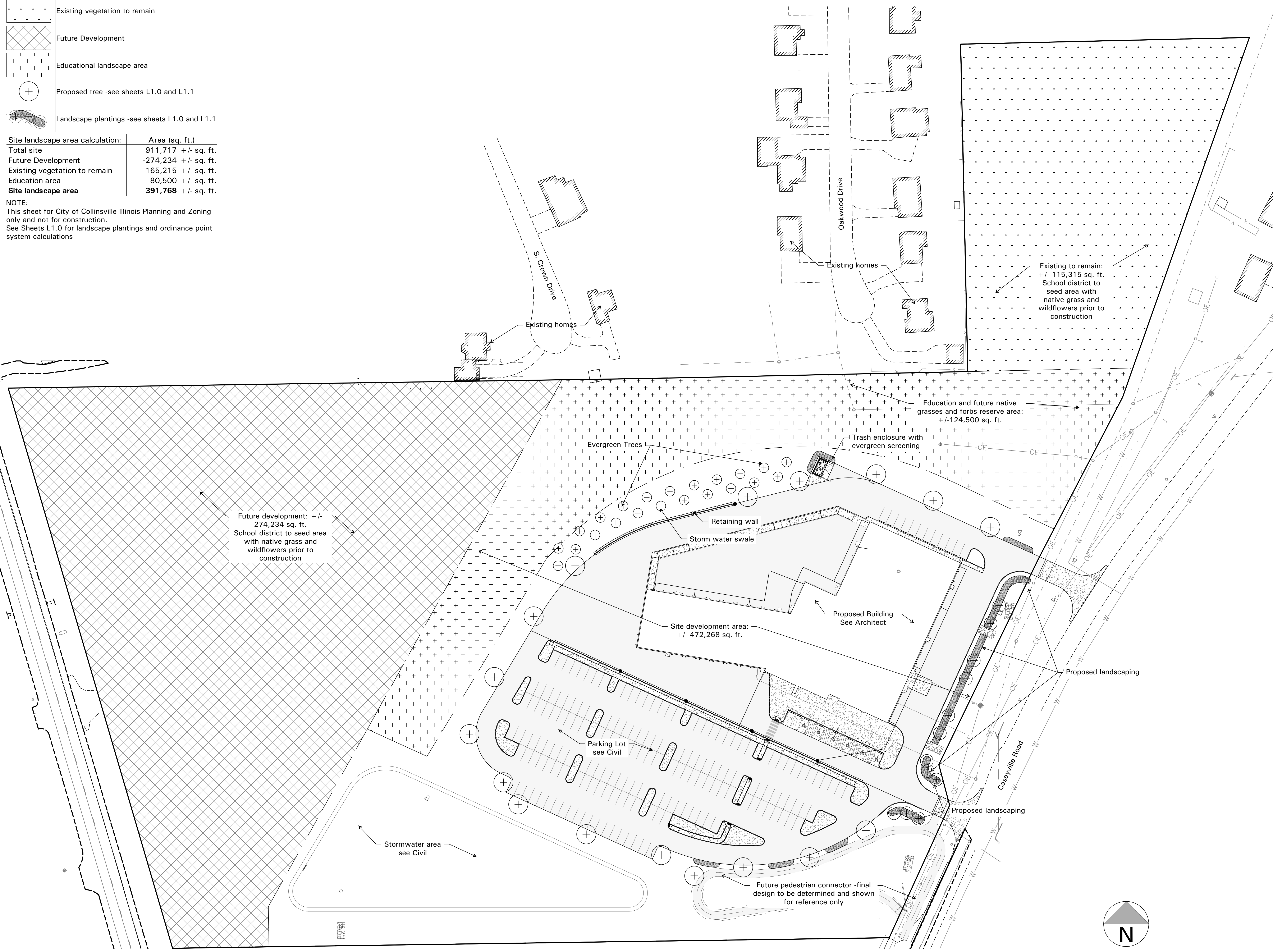
**LEGEND:**

Symbol	Description
	Proposed walk and plaza area
	Proposed parking and paved area -see Civil
	Existing vegetation to remain
	Future Development
	Educational landscape area
	Proposed tree -see sheets L1.0 and L1.1
	Landscape plantings -see sheets L1.0 and L1.1

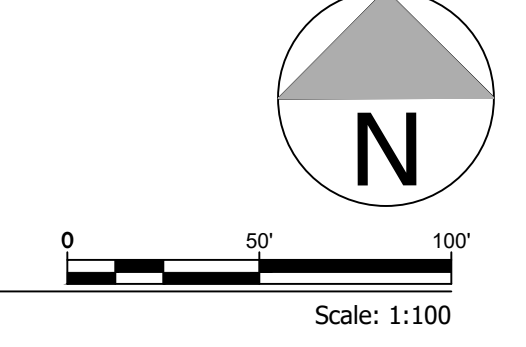
Site landscape area calculation:

	Area (sq. ft.)
Total site	911,717 +/- sq. ft.
Future Development	-274,234 +/- sq. ft.
Existing vegetation to remain	-165,215 +/- sq. ft.
Education area	-80,500 +/- sq. ft.
<b>Site landscape area</b>	<b>391,768 +/- sq. ft.</b>

**NOTE:**  
This sheet for City of Collinsville Illinois Planning and Zoning only and not for construction.  
See Sheets L1.0 for landscape plantings and ordinance point system calculations

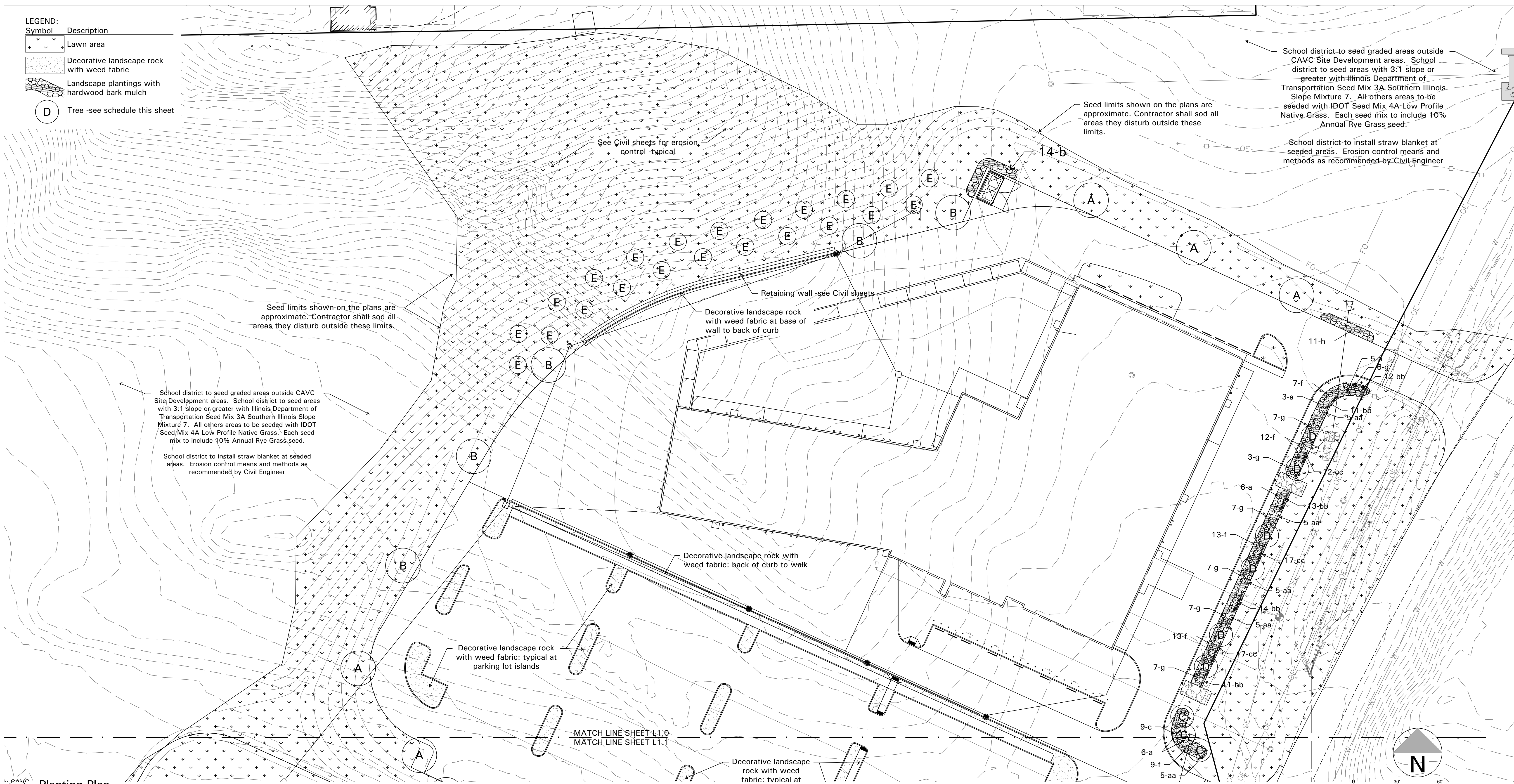


**1** Landscape Use Diagram for Planning and Zoning



LEGEND:

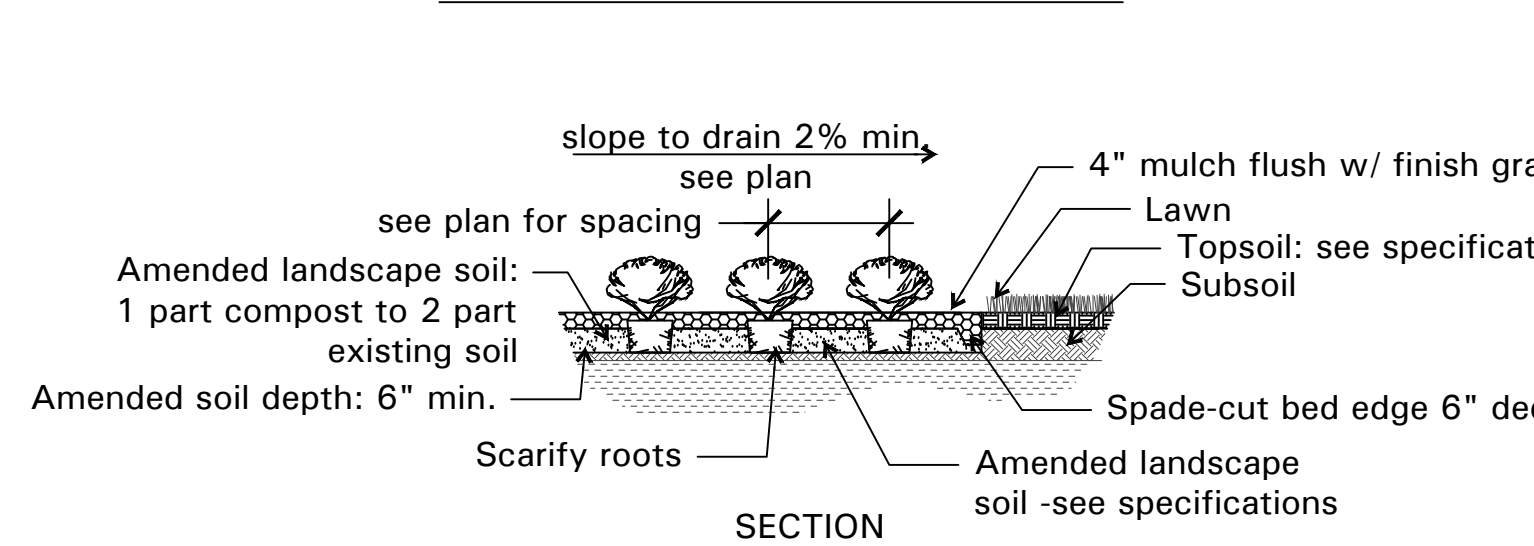
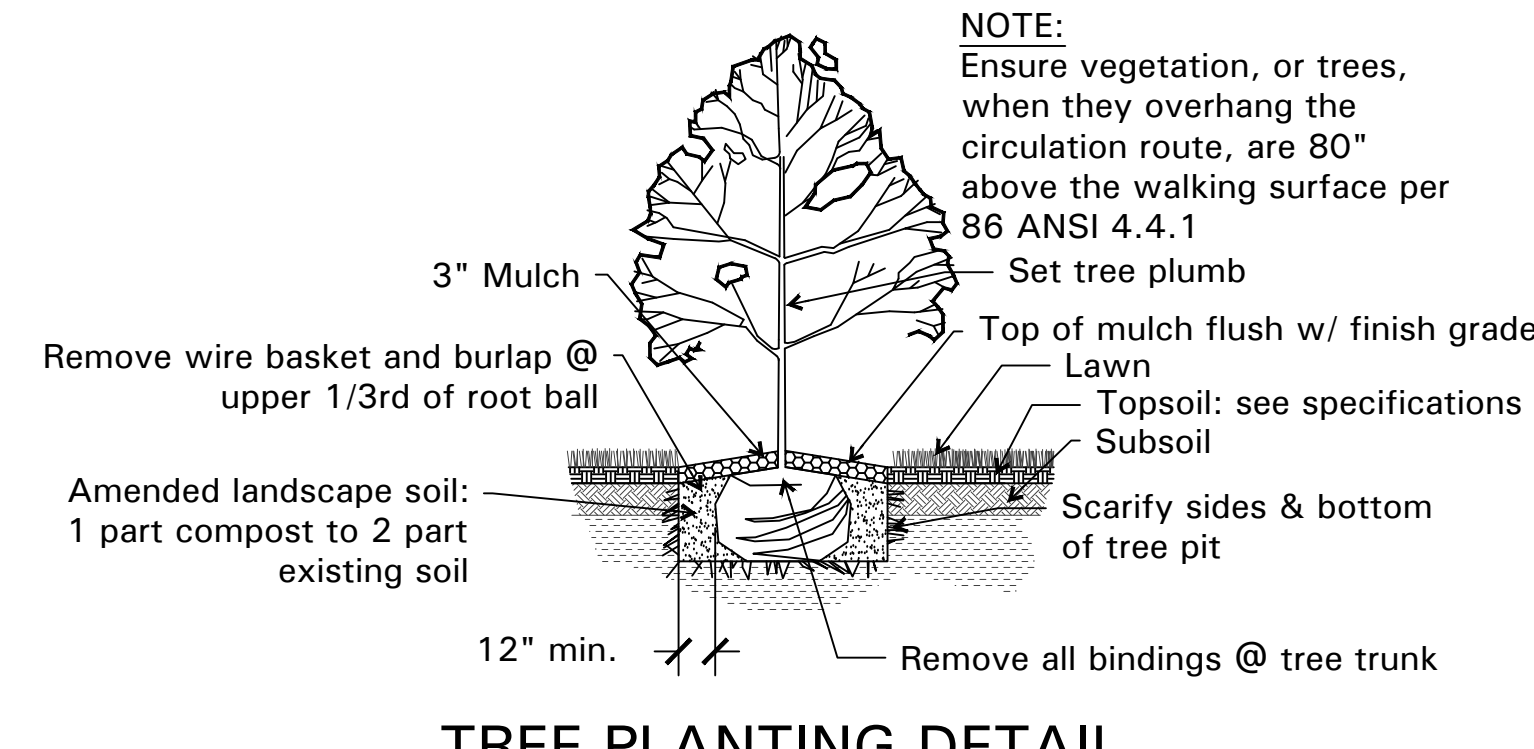
Symbol	Description
[Symbol]	Lawn area
[Symbol]	Decorative landscape rock with weed fabric
[Symbol]	Landscape plantings with hardwood bark mulch
[Symbol]	Tree - see schedule this sheet



**Planting Plan**

Key	Qty	Common Name	Botanical Name	Planting Schedule	Size	Comment	Culture
A	12	Sugar Maple	Acer saccharum 'Green Mountain'		2.5" Cal.		Illinois Native Cultivar Shade Tree
B	5	Red Oak	Quercus rubra		2.5" Cal.		Illinois Native Cultivar Shade Tree
C	6	Redbud	Cercis canadensis 'Pink Pom Poms'		2" Cal.	Multi-stem (3-5 canes)	Illinois Native Cultivar Ornamental Tree
D	6	White Redbud	Cercis canadensis f. alba		2" Cal.	Multi-stem (3-5 canes)	Illinois Native Cultivar Ornamental Tree
E	22	Juniper Tree	Juniperus virginiana		6-7' Tall	Branched to ground	Illinois Native Cultivar Evergreen Tree
a	33	Gold Leaf Juniper	Juniperus chinensis 'Gold Lace'		3 Gal.	install by students	Drought Tolerant Evergreen Shrub
b	14	Bayberry	Myrica pensylvanica		3 Gal.	install by students	Illinois Native Cultivar Evergreen Shrub
c	15	St. John's Wort	Hypericum kalmianum 'Cobalt-N-Gold'		3 Gal.	install by students	Drought Tolerant Flowering Shrub
f	65	Little Blue Stem	Schizachyrium scoparium 'Standing Ovation'		1 Gal.	install by students	Illinois Native Cultivar Ornamental Grass
g	44	Muhly Grass	Muhlenbergia reverchonii 'Undaunted'		1 Gal.	install by students	Illinois Native Cultivar Ornamental Grass
h	38	Red Switch Grass	Panicum virgatum 'Rotstrahlbusch'		1 Gal.	install by students	Illinois Native Cultivar Ornamental Grass
aa	30	Aster	Aster novae-angliae		1 Gal.	install by students	Illinois Native Cultivar Perennial
bb	63	Purple Cone Flower	Echinacea purpurea 'Pow Wow Berry'		1 Gal.	install by students	Illinois Native Cultivar Perennial
cc	47	White Cone Flower	E. purpurea 'Pow Wow White'		1 Gal.	install by students	Illinois Native Cultivar Perennial

- GENERAL NOTES:**
- Landscape quantities shown for reference and bid comparison only, contractor to furnish and install plant quantities shown on plan. Notify Owner/ Landscape Architect of any discrepancies.
  - Standard installed landscape materials to be provided by landscape contractor. Contractor to coordinate delivery with owner, and provide installation and maintenance instruction to owner and students.
  - CONTRACTOR SHALL WATER ALL LANDSCAPE PLANTINGS BEGGING AT TIME OF INSTALLATION AND 4 WEEKS AFTER OWNER ACCEPTANCE OF LANDSCAPE PLANTINGS.
  - Contractor to review and field verify existing and proposed conditions prior to
  - Contractor to coordinate and cooperate with other trades.
  - Contractor to adjust plantings as field directed by owner and/or as unforeseen field conditions require. All field changes to be documented and provided to owner prior to initial acceptance.
  - No trees shall be planted within tan (10') foot of private or public utilities unless approved by owner.
  - Proposed plant material to be approved by owner/ landscape architect - see specifications.
  - Contractor is responsible for installing all plant material, sod, topsoil and mulch as shown on plan and in specifications.
  - Plant(s) do not constitute contractor means and methods. Job site safety and project coordination is responsibility of contractor(s).
  - See all specifications for full requirements.



**SHRUB/ PERENNIAL/ ANNUAL PLANTING DETAIL**

- City of Collinsville, IL Landscape Requirement Matrix**  
 Collinsville Area Vocational Center, Collinsville Board of Education District 10
- Sec. 17.080.040. Landscape plan required.**
- Sec. 17.080.050 Tree Preservation**  
 Existing trees and site vegetation is degraded due to pervious use.  
 No credits are requested
- Sec. 17.080.090. Landscape credit.**  
 See Plan
- Sec. 17.080.100. Landscape guidelines**  
 See Plan
- Sec. 17.080.120. Commercial landscaping standards**  
 A. Plan prepared by Illinois Registered Landscape  
 B. n/a  
 C. Additional Information  
 1 Site Plan provided  
 2 See Civil Site Plan for impervious calculations  
 3 See tabulation as part of Sec. 17.080.120  
 4 See Plan and Planting Schedule  
 5 All proposed landscape materials are native and or drought tolerant. Because of this, developer/ owner to "hand watering" landscape as required instead of installing in ground automatic irrigation system.  
 6 Existing trees and site vegetation is degraded due to pervious use.
- Sec. 17.080.050. Tree preservation.**  
 n/a
- Sec. 17.080.060. Tree protection during construction**  
 n/a
- Sec. 17.080.070. Tree replacement or mitigation.**  
 n/a
- Sec. 17.080.080. Plant material and standards**  
 A. All proposed plants are not found on undesirable tree list and are native and hardy to area  
 B. See Landscape Planting Schedule this sheet  
 C. See plan  
 D. All plants are long lived  
 E. Majority of plants are native to area  
 F. Roses are set away from pedestrian areas  
 G. Groundcover/ Lawns  
 1 All landscape will contribute to erosion control  
 2 Majority of lawn areas will be seeded and sod will located at drainage swales -see Civil for erosion control  
 3 School district proposes education landscape to support current and future curriculums  
 4 No low growing evergreen plants are proposed
- Sec. 17.080.090. Landscape credit.**  
 No landscape credit is requested
- Sec. 17.080.100. Landscape guidelines.**  
 See Plan

**Sec. 17.080.120. Commercial landscaping standards**

A. Required quantity of Plant Materials

Description	sf	Points	Notes/ Comments	Percent of
Site Area	397,668	795		
	500			

B. Quantity of Required Materials

Native Shade Trees	Points	Proposed quantity	Proposed Points	%
Native Shade Trees	4.0	17	68.0	8.6%
Native Evergreen Trees	3.0	22	66.0	8.3%
Native Ornamental and Intermediate Trees	2.0	12	24.0	3.0%
Native Shrubs	2.0	29	58.0	7.3%
Shrubs	1.0	33	33.0	4.1%
Native Ornamental Grasses, Sedges, Rushes (per two plants)	1.0	147	147.0	18.5%
Forbs and Wildflowers	2.0	172	280.0	35.2%
Native Perennials, Bulbs, and Annuals per 50 square feet. Note: Maximum points allowed (15%) allocated at BMP native seed areas.	1.5	+/- 5,877 (Sq. Ft.) allowable area	119.3	15.0%
Perennials, Bulbs, and Annuals per 50 square feet	1.0			0.0%
<b>Total Points Provided</b>			<b>795.3</b>	
<b>Required Points</b>			<b>795.3</b>	
<b>Difference</b>			<b>0.0</b>	

- G Irrigation: All proposed landscape materials are native and or drought tolerant. Because of this, developer/ owner to "hand watering" landscape as required instead of installing in ground automatic irrigation system.
- Sec. 17.080.130. Parking lot requirements**  
 Landscape island are single islands and greater than 250 sq. ft. with decorative landscape rock.  
 Any single parking rows does not exceed 20 spaces  
 No transition buffer required
- Sec. 17.080.130. Parking lot requirements**  
 Landscape island are single islands and greater than 250 sq. ft. with shade tree and landscape mulch.  
 Any single parking rows does not exceed 20 spaces  
 Evergreen trees provided adjoining residential neighborhood



**FGM Architects Inc.**  
 475 Regency Park, Suite 325  
 O'Fallon, Illinois 62269  
 618.624.3364 OFFICE  
 618.624.3369 FAX  
 ILLINOIS PROFESSIONAL DESIGN FIRM #184-000350

**CIVIL ASSOCIATES, INC.**  
 100 S. LINCOLN HIGHWAY  
 COLLINGSVILLE, IL 62234  
 ILL. STATE CERTIFICATE OF AUTHORITY NO. 184-001315

**STRUCTURAL ASDG, LLC**  
 1009 LINCOLN HIGHWAY  
 FARMER HEIGHTS, IL 62038  
 ILL. STATE CERTIFICATE OF AUTHORITY NO. 184-003843

**MEP RTM ENGINEERING CONSULTANTS**  
 1001 WASHINGTON STREET, SUITE 203  
 BELLVILLE, IL 62209  
 ILL. STATE CERTIFICATE OF AUTHORITY NO. 184-00171009

**LANDSCAPE DERMODY & ASSOCIATES, LLC**  
 234 CAMELBACK DR.  
 MAPLEWOOD HEIGHTS, MO. 63043  
 ILL. STATE CERTIFICATE OF AUTHORITY NO. 157-052275

**NOT FOR CONSTRUCTION**

FOR REVIEW ONLY  
 Not for regulatory approval, permit or construction.

The information on this document is preliminary or incomplete, not for construction, recording purposes, or implementation.

**ISSUANCE**

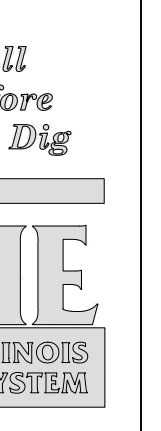
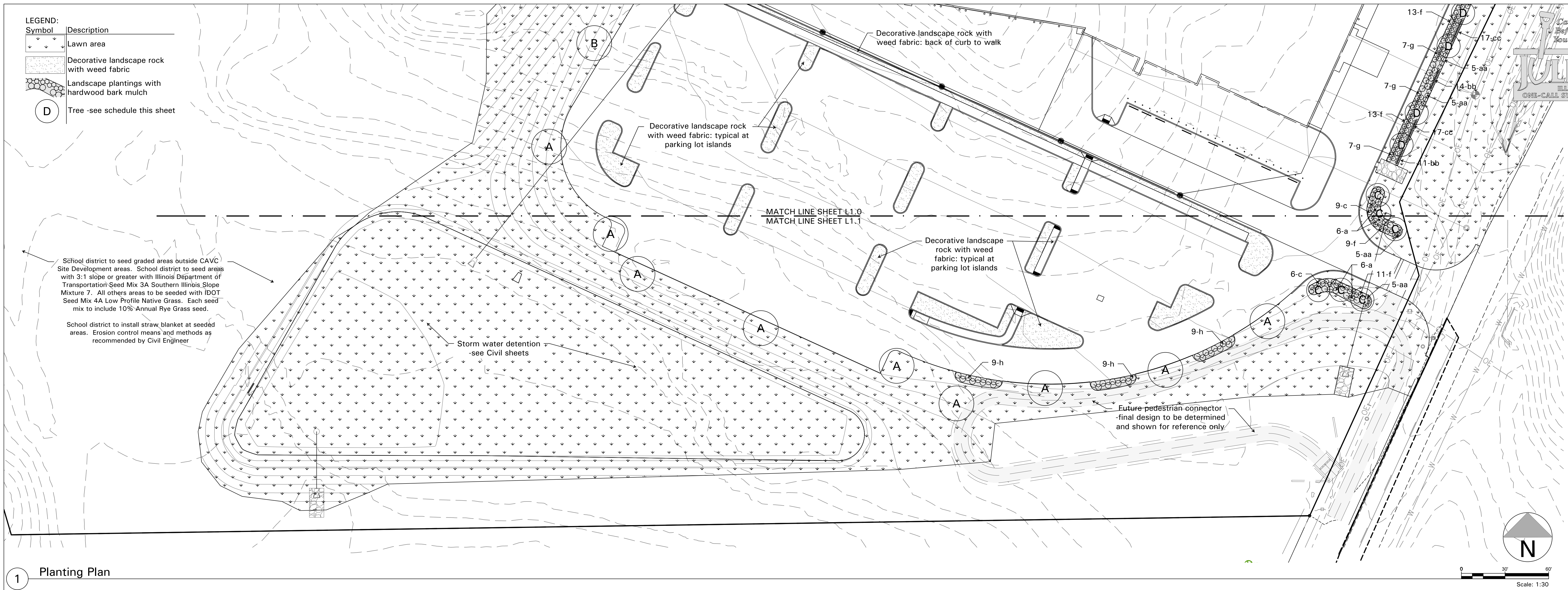
NO.	DATE	DESCRIPTION

**COLLINSVILLE AREA VOCATIONAL CENTER NEW BUILDING**  
 BOARD OF EDUCATION COLLINSVILLE CUSD 10  
 COLLINSVILLE, IL, 62234

**Planting Plan**

**SHEET NO. L1.0**

LEGEND:	Symbol	Description
	(Symbol)	Lawn area
	(Symbol)	Decorative landscape rock with weed fabric
	(Symbol)	Landscape plantings with hardwood bark mulch
(D)	(Symbol)	Tree - see schedule this sheet



**fgma**  
 FGM Architects Inc.  
 475 Regency Park, Suite 325  
 O'Fallon, Illinois 62269  
 618.624.3364 OFFICE  
 618.624.3369 FAX  
 ILLINOIS PROFESSIONAL DESIGN FIRM #184-000350

**CIVIL ASSOCIATES, INC.**  
 102 LINCOLN COURT, SUITE 1  
 COLLINSVILLE, IL 62234  
 618.348.0200 (O)  
 IL STATE CERTIFICATE OF AUTHORITY NO. 184-001515

**STRUCTURAL ASDG, LLC**  
 1000 LINCOLN HIGHWAY  
 FARMERS HEIGHTS, IL 62088  
 618.426.2887 (O)  
 IL STATE CERTIFICATE OF AUTHORITY NO. 184-003843

**RTM ENGINEERING CONSULTANTS**  
 1001 WASHINGTON STREET, SUITE 101  
 BELLVILLE, IL 62209  
 618.277.0300 (O)  
 IL STATE CERTIFICATE OF AUTHORITY NO. 184-002745

**LANDSCAPE DERMODY & ASSOCIATES, LLC**  
 238 CAMPBELL ROAD, SUITE 108  
 MARYLAND HEIGHTS, MO 63043  
 314.998.8871 (O)  
 IL STATE CERTIFICATE OF AUTHORITY NO. 157-002275

**NOT FOR CONSTRUCTION**

FOR REVIEW ONLY  
 Not for regulatory approval, permit or construction.

The information on this document is preliminary or incomplete, not for construction, recording purposes, or implementation.

ISSUANCE	
NO	DESCRIPTION

1 Planting Plan

Key	Qty	Common Name	Botanical Name	Size	Comment	Culture
A	12	Sugar Maple	Acer saccharum 'Green Mountain'	2.5" Cal.		Illinois Native Cultivar Shade Tree
B	5	Red Oak	Quercus rubra	2.5" Cal.		Illinois Native Cultivar Shade Tree
C	6	Redbud	Cercis canadensis 'Pink Pom Poms'	2" Cal.	Multi-stem (3-5 canes)	Illinois Native Cultivar Ornamental Tree
D	6	White Redbud	Cercis canadensis f. alba	2" Cal.	Multi-stem (3-5 canes)	Illinois Native Cultivar Ornamental Tree
E	22	Juniper Tree	Juniperus virginiana	6-7' Tall	Branched to ground	Illinois Native Cultivar Evergreen Tree
a	33	Gold Leaf Juniper	Juniperus chinensis 'Gold Lace'	3 Gal.	install by students	Drought Tolerant Evergreen Shrub
b	14	Bayberry	Myrica pensylvanica	3 Gal.	install by students	Illinois Native Cultivar Evergreen Shrub
c	15	St. John's Wort	Hypericum kalmianum 'Cobalt-N-Gold'	3 Gal.	install by students	Drought Tolerant Flowering Shrub
f	65	Little Blue Stem	Schizachyrium scoparium 'Standing Ovation'	1 Gal.	install by students	Illinois Native Cultivar Ornamental Grass
g	44	Muhly Grass	Muhlenbergia reverchonii 'Undaunted'	1 Gal.	install by students	Illinois Native Cultivar Ornamental Grass
h	38	Red Switch Grass	Panicum virgatum 'Rotstrahlbusch'	1 Gal.	install by students	Illinois Native Cultivar Ornamental Grass
aa	30	Aster	Aster novae-angliae	1 Gal.	install by students	Illinois Native Cultivar Perennial
bb	63	Purple Cone Flower	Echinacea purpurea 'Pow Wow Berry'	1 Gal.	install by students	Illinois Native Cultivar Perennial
cc	47	White Cone Flower	E. purpurea 'Pow Wow White'	1 Gal.	install by students	Illinois Native Cultivar Perennial
203,000		+/- sq. ft. drought tolerant seed mix with straw blanket -see Civil sheets for erosion control				
4,000		+/- sq. ft. double ground hardwood bark mulch -to be field approved by owner				
7,500		+/- sq. ft. decorative landscape rock with 8 oz. non-woven weed fabric -to be field approved by owner				

- NOTE: Plant and landscape material to be installed by students shall be supplied by landscape contractor
- GENERAL NOTES:**
- Landscape quantities shown for reference and bid comparison only, contractor to furnish and install plant quantities shown on plan. Notify Owner/ Landscape Architect of any discrepancies.
  - Student installed landscape materials to be provided by landscape contractor. Contractor to coordinate delivery with owner, and provide installation and maintenance instruction to owner and students.
  - CONTRACTOR SHALL WATER ALL LANDSCAPE PLANTINGS BEGGING AT TIME OF INSTALLATION AND 4 WEEKS AFTER OWNER ACCEPTANCE OF LANDSCAPE PLANTINGS.
  - Contractor to review and field verify existing and proposed conditions prior to
  - Contractor to coordinate and cooperate with other trades.
  - Contractor to adjust plantings as field directed by owner and or as unforeseen field conditions require. All field changes to be documented and provided to owner prior to initial acceptance.
  - No trees shall be planted within ten (10) foot of private or public utilities unless approved by owner.
  - Proposed plant material to be approved by owner/ landscape architect -see specifications.
  - Contractor is responsible for installing all plant material, sod, topsoil and mulch as shown on plan and in specifications.
  - Plan(s) do not constitute contractor means and methods. Job site safety and project coordination is responsibility of contractor(s).
  - See all specifications for full requirements.

**City of Collinsville, IL Landscape Requirement Matrix**  
 Collinsville Area Vocational Center, Collinsville Board of Education District 10

**Sec. 17.080.040. Landscape plan required.**  
**Sec. 17.080.050 Tree Preservation**  
 Existing trees and site vegetation is degraded due to previous use.  
**Sec. 17.080.090. Landscape credit.**  
 No credits are requested

**Sec. 17.080.100. Landscape guidelines**  
 See Plan

**Sec. 17.080.120. Commercial landscaping standards**  
 A. Plan prepared by Illinois Registered Landscape

**Sec. 17.080.060. Tree protection during construction**  
 n/a

**Sec. 17.080.070. Tree replacement or mitigation.**  
 n/a

**Sec. 17.080.080. Plant material and standards**  
 A. All proposed plants are not found on undesirable tree list and are native and hardy to areas  
 B. See Landscape Planting Schedule this sheet  
 C. See Plan  
 D. All plants are long lived  
 E. Majority of plants are native to area  
 F. Majority of plants are native to area  
 G. Roses are set away from pedestrian areas  
 H. Groundcover/ Lawns  
 1. All landscape will contribute to erosion control  
 2. Majority of lawn areas will be seeded and sod will be located at drainage swales -see Civil for erosion control  
 3. School district proposes education landscape to support current and future curriculums  
 4. No low growing evergreen plants are proposed

**Sec. 17.080.090. Landscape credit.**  
 No landscape credit is requested

**Sec. 17.080.100. Landscape guidelines.**  
 See Plan

**Sec. 17.080.120. Commercial landscaping standards**

Required quantity of Plant Materials				
Description	sf	Notes/ Comments	Percent	
Site Area	397,668			
	500			
<b>B. Quantity of Required Materials</b>	Points	Proposed quantity	Proposed Points	%
Native Shade Trees	4.0	17	68.0	8.6%
Shade Trees	3.0			
Native Evergreen Trees	3.0	22	66.0	8.3%
Evergreen Trees	2.0			
Native Ornamental and Intermediate Trees	2.0	12	24.0	3.0%
Native Shrubs	2.0	29	58.0	7.3%
Shrubs	1.0	33	33.0	4.1%
Native Ornamental Grasses, Sedges, Rushes (per two plants)	1.0	147	147.0	18.5%
Forbs and Wildflowers	2.0	172	280.0	35.2%
Native Perennials, Bulbs, and Annuals per 50 square feet. Note: Maximum points allowed (15%) allocated at BMP native seed areas.	1.5	+/- 5,877 (Sq. Ft.) allowable area	119.3	15.0%
Perennials, Bulbs, and Annuals per 50 square feet	1.0			0.0%
Total Points Provided			795.3	
Required Points			795.3	
Difference			0.0	

**G Irrigation:** All proposed landscape materials are native and or drought tolerant. Because of this, developer/ owner to "hand watering" landscape as required instead of installing in-ground automatic irrigation system.

**Sec. 17.080.130. Parking lot requirements**  
 Landscape island are single islands and greater than 250 sq. ft. with decorative landscape rock.  
 Any single parking rows does not exceed 20 spaces

**Sec. 17.080.140. Transition buffers; when required**  
 No transition buffer required

**Sec. 17.080.130. Parking lot requirements**  
 Landscape island are single islands and greater than 250 sq. ft. with shade tree and landscape mulch  
 Any single parking rows does not exceed 20 spaces

**Sec. 17.080.140. Transition buffers; when required**  
 Evergreen trees provided adjoining residential neighborhood

**SHADE TREE PLANTING DETAIL**

NOTE: Ensure vegetation, or trees, when they overhang the circulation route, are 80" above the walking surface per 86 ANSI 4.4.1

Labels: 3" Mulch, Set tree plumb, Top of mulch flush w/ finish grade, Lawn, Topsoil: see specifications, Scarify sides & bottom of tree pit, Remove wire basket and burlap @ upper 1/3rd of root ball, Amended landscape soil: 1 part compost to 2 part existing soil, 12" min., Remove all bindings @ tree trunk.

**SHRUB/ PERENNIAL/ ANNUAL PLANTING DETAIL**

Labels: slope to drain 2% min., see plan, 4" mulch flush w/ finish grade, Lawn, Topsoil: see specifications, Amended landscape soil: 1 part compost to 2 part existing soil, Amended soil depth: 6" min., Scarify roots, Spade-cut bed edge 6" deep, Amended landscape soil -see specifications.

**COLLINSVILLE AREA VOCATIONAL CENTER NEW BUILDING**  
 BOARD OF EDUCATION COLLINSVILLE CUSD 10  
 COLLINSVILLE, IL, 62234

**50% CONSTRUCTION DOCUMENTS**

Planting Plan

SHEET NO.  
**L1.1**

CIVIL  
DATES ASSOCIATES, INC.  
200 ANDERSON COURT, SUITE 1  
COLLINGSVILLE, IL 62234  
618.624.2000 (O)  
IL STATE CERTIFICATE OF AUTHORITY  
NO. 184-001515

STRUCTURAL  
ASDG, LLC  
3000 LINCOLN HIGHWAY  
PARKVIEW HEIGHTS, IL 62208  
618.628.0887 (O)  
IL STATE CERTIFICATE OF AUTHORITY  
NO. 184-003843

MET  
RTM ENGINEERING CONSULTANTS  
112 W. MAIN STREET SUITE 100  
BELLEVILLE, IL 62220  
618.277.3200 (O)  
IL STATE CERTIFICATE OF AUTHORITY  
NO. 184-00773002

LANDSCAPE  
DERMODY & ASSOCIATES, LLC  
288 CAMELOT DRIVE  
MAPLELAND HEIGHTS, MO 63043  
314.205.8871 (O)

**NOT FOR  
CONSTRUCTION**

ISSUANCE	
NO.	DESCRIPTION

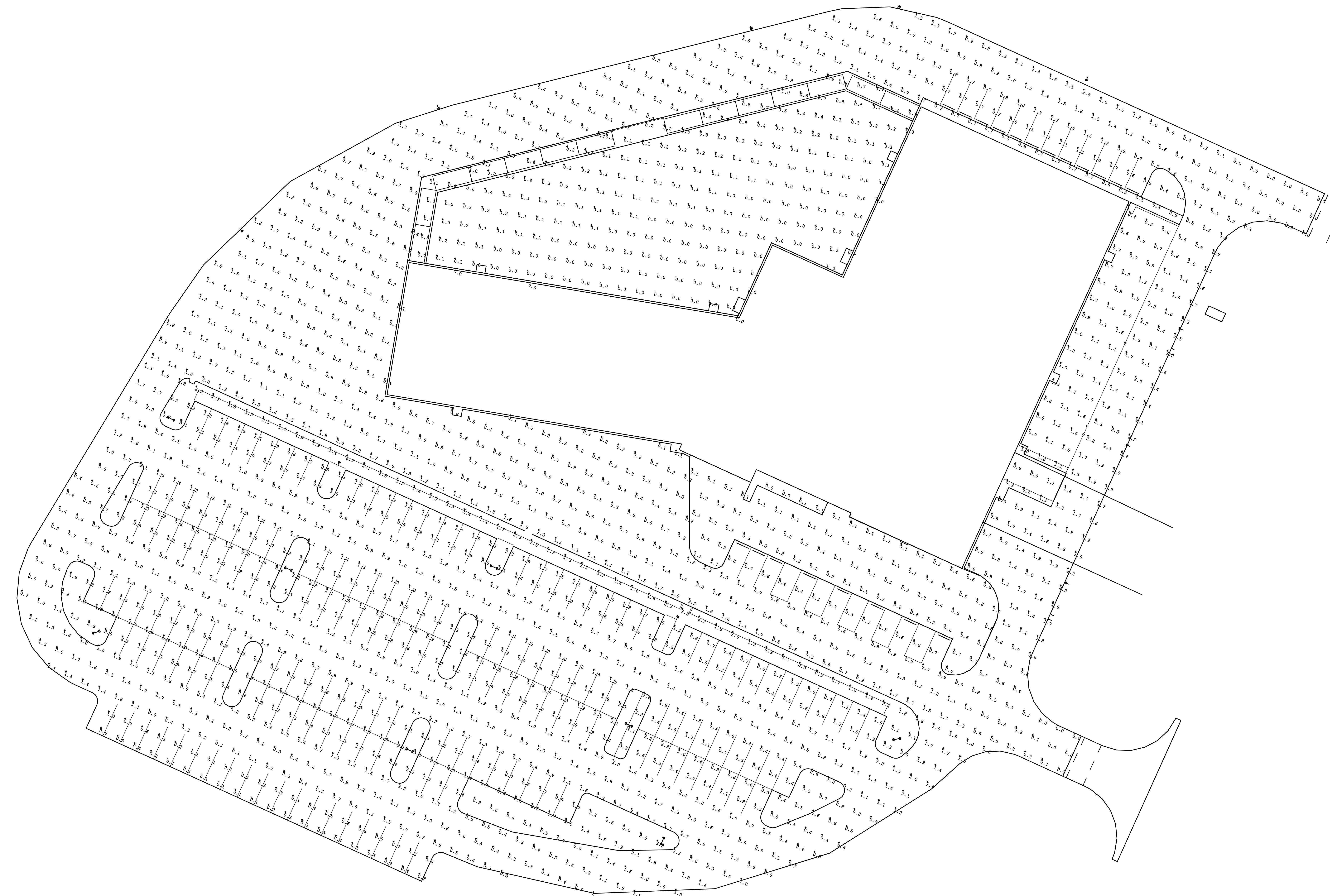
**CAVC NEW BUILDING**  
COLLINGSVILLE CUSD 10  
COLLINGSVILLE, IL, 62234

100% CONSTRUCTION DOCUMENTS

ELECTRICAL SITE PLAN

SHEET NO.  
**E1.1**

JOB NO. 23-3613.02  
© 2024 FGM Architects Inc.



1 PHOTOMETRIC SITE PLAN  
1" = 20'-0"