BELVIDERE PARK DISTRICT FRONT PARKING LOT REPAIRS

GENERAL NOTES

1. The designs represented in these plans are in accordance with established practices of civil engineering for the design functions and uses intended by the owner at this time. Neither the engineer nor its personnel can or do warrant these designs or plans as constructed except in the specific cases where the engineer inspects and controls the physical construction on a contemporary basis at the site.

- 2. The contractor, by agreeing to perform the work, agrees to indemnify and hold harmless the owner, the engineer, the city, and all agents and assigns of those parties, from all suits and claims arising out of the performance of said work, and further agrees to defend or otherwise pay all legal fees arising out of the defense of said parties.
- 3. In accordance with generally accepted construction practices, the contractor shall be solely and completely responsible for conditions of the job site, including safety of all persons and property during performance of the work. This requirement will apply continuously and not be limited to normal working hours. Any construction observation by the engineer of the contractor's performance is not intended to include review of the adequacy of the contractors safety measures, in, or near the construction site. The contractor is responsible for maintaining adequate signs, barricades, fencing, traffic control devices and measures, and all other measures that are necessary to protect the safety of the site at all times.
- 4. Maintain access for vehicular and pedestrian traffic as required for other construction activities. Use traffic control devices to include temporary striping, flagmen, barricades, warning signs, and warning lights shall be in accordance with current MUTCD and IDOT standards.
- All phases of the site work for this project shall meet or exceed industry standards and requirements set forth by the the owner's "Description of Work", City of Belvidere, the State of Illinois, and this plan set.
- The City of Belvidere must be notified at least two (2) working days prior to the commencement or resumption of any work.
 The contractor shall coordinate all permit and inspection requirements with responsible local, state, and federal agencies. The contractor shall include the costs of this coordination and all inspection fees in the bid price.
- 8. All work performed by the contractor shall come with a warranty against defects in workmanship and materials. This warranty period shall run concurrent with the required warranty periods the owner must provide to each local government agency, as a condition of the permit.
- 9. The contractor will be held solely responsible for and shall take precautions necessary to avoid property damage to adjacent properties during the construction of this project.
- 10. All structures, inlets, pipes, swales, roads and public egresses must be kept clean and free of dirt and debris at all times.
- 11. Any field tiles encountered during construction shall be recorded showing size, location, and depth by the contractor, and either reconnected and rerouted or connected to the storm sewer system. The owner shall be notified immediately upon encountering any tile.
- 12. The contractor shall field verify the elevations of the benchmarks prior to commencing work. The contractor shall also field verify the location and elevation of existing pipe inverts, curb or pavement where matching into existing work. The contractor shall field verify horizontal control by referencing property corners to known property lines. Notify the engineer of discrepancies in either vertical or horizontal control prior to proceeding.
- 13. All elevations are on NAVD 88 datum.
- 14. Parking areas designated as A.D.A. and all sidewalk shall be compliant with state and local A.D.A. requirements.
- 15. Tactile warning plates per IDOT specifications shall be placed at all locations where sidewalk that is to be replaced intersects public roads and at locations indicated in this plan set.
- 16. The contractor shall verify the location of all utilities in the field prior to construction. This includes sanitary sewer, water main, storm sewer, General Telephone, Commonwealth Edison, Northern Illinois Gas and cable television, if any. The J.U.L.I.E. number is 1-800-892-0123.
- 17. Property corners shall be carefully protected until they have been referenced by a Professional Land Surveyor.
- 18. The contractor shall keep careful measurements and records of all construction and shall furnish the Engineer, the Owner and the City with record drawings in a digital format compatible with AutoCAD Release 14 upon completion of his work.
- 19. Any excess dirt or materials shall be placed by the contractor onsite at the owner's direction or as indicated on the plans.
- 20. Notify the owner and City of Belvidere of any existing wells. Obtain permit form the Illinois Bureau of Minerals and the State Water Survey. Cap and abandon wells in accordance with local, state, and federal regulations.
- 21. Finish grade shall in all areas not specifically reserved for storm water management shall drain freely. No ponding shall occur. Tolerances to be observed will be measured to the nearest 0.04 of a foot for paved surfaces and 0.10 of a foot for unpaved areas.

1006 W LINCOLN AVE BELVIDERE, IL 61008

VICINITY MAP



Sheet List	Та
Sheet Number	SH

C00	CO
C01	GEN
C02	EXIS
C03	LAI
C04	GRA
L01	RES



OWNER:

BELVIDERE PARK DISTRICT

1006 W LINCOLN AVE BELVIDERE, IL 61008 (815) 547-5711 ENGINEER:

S291 ZENITH PARKWAY LOVES PARK, IL 61111 VOICE: (815) 484-4300 FAX: (815) 484-4303

| www.arcdesign.com Illinois Design Firm License No. 184-001334

UTILITY OFFICIALS

PUBLIC WORKS DEPARTMENT: DIRECTOR OF PUBLIC WORKS BRENT ANDERSON 815-544-9256 BELVIDERE CITY HALL 401 WHITNEY BOULEVARD BELVIDERE, IL 61008

SEWER DISTRICT: BELVIDERE SEWER DEPARTMENT DAN ANDERSON SUPERINTENDENT 815-544-2072 2001 NEWBURG ROAD BELVIDERE, IL 61008

TELEPHONE: FRONTIER 877-462-8188

ELECTRIC: COMED 1-800-334-7661

GAS: NICOR GAS

NICOR GAS 1-888-642-6748

ble

HEET TITLE OVER SHEET ENERAL NOTES & DETAILS ISTING CONDITIONS & REMOVALS PLAN YOUT PLAN RADING PLAN STORATION & LANDSCAPE PLAN

Þ



CITY HALL:

MAYOR

CLINTON MORRIS 815-544-2612 BELVIDERE CITY HALL 401 WHITNEY BOULEVARD BELVIDERE, IL 61008 STREET DEPARTMENT: BELVIDERE STREET DEPARTMENT DAN ANDERSON

SUPERINTENDENT 815-544-9256 401 WHITNEY BOULEVARD BELVIDERE, IL 61008

WATER DEPARTMENT: BELVIDERE WATER DEPARTMENT DAN ANDERSON SUPERINTENDENT 815-544-9256 210 WHITNEY BOULEVARD BELVIDERE, IL 61008

CABLE TELEVISION: COMCAST 800-266-2278





Assume that if unsuitable materials are encountered and the replacement of these materials is required, this situation shall be handled as A. The site contractor shall notify the general contractor immediately. The project superintendent, prior to the undercutting being completed, shall approve any additional undercutting. The quantities shall be verified by the engineer as the additional removal is

B. If approved by the engineer, these materials shall be removed and replaced with compacted granular materials and compacted in accordance to required standards. The cost of this work shall be an extra to the contract, with the cost being adjusted by change

C. If the site contractor is furnishing any off site materials, a representative sample of such materials shall be furnished to the general contractor's approved testing agency to determine a proctor. D. These materials shall be placed as homogeneously as possible to facilitate accurate compaction and moisture testing.

A. "Organic material" is defined as material having an organic content in excess of 8% or as determined by the project owner's

B. Topsoil shall be friable and loamy (loam, sandy loam, silt loam, sandy clay loam, or clay loam). B.1. Sand content shall generally be less than 70% by weight.

B.2. Clay content shall generally be less than 35% by weight. B.3. Organic soils, such as peat or muck, shall not be used as topsoil.

C. Topsoil shall be relatively free from large roots, weeds, brush, or stones larger than 25 mm (1 inch). At least 90% shall pass the D. Topsoil ph shall be between 5.0 and 8.0. Topsoil organic content shall not be less than 1.5% by weight. Topsoil shall contain no

substance that is potentially toxic to plant growth. E. "Existing on-site material within moisture content limits" is defined as material of such a quality that the specified compaction can be met without any additional work other than "densifying" with a roller. Scarification and drying of this material will not need to be

F. "Existing on-site material NOT within moisture content limits" is defined as material with a high moisture content that can not meet specified compaction requirements without scarification and drying, chemical stabilization, etc. of this material prior to compaction. G. "Unsuitable material" is defined as any materials that: G.1. Cannot be utilized as "topsoil" (organic) for landscape areas.

G.2. Cannot be utilized as "engineered fill" regardless of moisture content and / or does not structurally meet the standards of the project owner's engineer's recommendations for "engineered fill". Can be defined as natural materials or materials from "demolition" and / or excavated areas (i.e., materials that would not be

"Off-site material" is defined as any materials that are brought from any area not indicated on this plan set. "Trench backfill" shall be defined as any materials used for the purposes of backfilling any trench and / or any excavation requiring backfilling. Refer to "Standards for fill areas" to determine acceptable materials and procedures. J. The term "stripping" or "strip" as used herein shall be defined as the removal of all "organic materials" from a given area. The term

A. A "cut area" is defined as any area where "engineered fill" is not required to bring the site to design subgrade elevation. Instead, excavation or "cutting" is required to achieve design subgrade elevation ("engineered fill" being defined as any material being "offsite

B. In "cut areas" the site contractor shall perform one of the following procedures at the discretion and in the presence of a representative of the owner's engineer and the project architect: B.1. For exposed building or parking lot subgrades consisting primarily of granular soils, the exposed subgrade should be

compacted / densified by at least one (1) pass of a smooth-drummed vibratory roller having a minimum gross weight of 10 B.2. For exposed building or parking lot subgrades consisting primarily of cohesive soils, the exposed subgrades should be

proof-rolled with a fully-loaded six-wheel truck having a minimum gross weight of 25 tons. The maximum allowable deflection under the specified equipment shall be 1/2". C. In the event that adequate stability of granular soils subgrades cannot be achieved by the procedures as outlined in item 1 above, or

that deflections greater than 1/2" are observed during the "proof rolling" of cohesive soils subgrades (as outlined in item 2 above) additional corrective measures will be required. These measures could include, but not necessarily be limited to, scarification, moisture conditioning, re-compaction, undercutting and replacement with engineered fill or crushed stone (with or without

D. It shall be considered as part of the scope of these documents (and thus part of this contractor's responsibility) to perform scarification and drying of the subgrade per Illinois Department of Transportation (IDOT) standards (scarify a 16" depth for 3 days). If this does not work then additional drying measures shall be an extra to the contract. E. Any proposed corrective measures by the contractor should be reviewed by the owner's engineer and the project architect. In the event that in the opinion of the owner's engineer and / or the project architect proof rolling is not a good indicator of the subgrade stability, an alternative method shall be specified by the owner's engineer and / or the project architect.

A. A "fill" area is defined as any area where material is required to adjust the existing elevation to a proposed subgrade elevation (these areas require installation of "engineered fill" to achieve design subgrade elevation). "Engineered fill" material can be defined as either "granular soil" or "soil" that is either from the construction site or is "offsite material". Materials having their origin from the construction site is referred to as "borrow". The composition and the compaction standards of the engineered fill for this project will be specified by owner's engineer and the project architect. B. In "fill" areas, "borrow" materials are allowed to be utilized as engineered fill such that the site contractor compacts the "borrow"

6. Compaction standards (for engineered fill and back filled areas)

A. Prior to placement of fill in areas below the design grade, the exposed subgrade should be observed by a representative of the owner's engineer to evaluate that adequate stripping has been performed. Additionally, the proof rolling or compacting procedures outlined in the "standards for cut areas" section of these notes should be performed. It is typical practice to proof roll (and densify it necessary) exposed subgrades prior to filling. If soft or unstable subgrades are observed, these areas should be stabilized or undercut. Minimum compaction standards are based upon a percentage of the fill or backfill material's maximum standard proctor dry density (ASTM D698). All engineered subgrades should meet the following minimum compaction:

A.1.A. 95% standard proctor for all fill placed below foundation base elevation in the building area.

A.2. Areas under floor slabs and above foundations/footing bases: A.2.A. 95% standard proctor for all fill placed more than 12 inches below final grade for support of floor slabs and above foundation base elevation in the building area.

A.2.B. 95% standard proctor for fill placed in the upper 12 inches of design subgrade below slabs. The granular fill under the floor slab should be compacted to a minimum of 95% standard proctor.

A.3.A. 95% standard proctor for all fill placed more than 12 inches below passenger car pavement sections and 95% standard proctor for the top 12 inches.

A.4.A. 90% standard proctor for all fill placed in landscape areas. These areas should be brought to grade with "topsoil" to a depth of 6 inches in areas to be seeded, 6 inches in areas to be sodded, and 12 inches for all interior curbed landscape

A.5.A. 95% standard proctor for all base course materials that are part of a "pavement section". B. The option of utilizing the modified proctor (ASTM D1557) in lieu of the specified standard proctor (ASTM D698) shall be at the discretion of the general contractor, contingent upon written approval by the architect and owner's engineer. C. All backfill and fill materials shall be placed in lifts not greater than 8" in loose depth. Before compacting, moisten or aerate each layer as necessary to provide optimum moisture content. Compact each layer to required percentage of maximum density of the

A. The term "finish grading" as used herein shall be defined as that condition that areas not receiving a finish product such as parking areas, driveways, roadways, sidewalks, etc. Finish graded areas would generally be those areas receiving "landscaping" such as seed, B. The site contractor is responsible for "finish grading" all areas within the perimeter of the "construction site". The definition of the

"construction site" is the area encompassing all disturbed areas that were disturbed as a result of the construction process relating to the general contract of which this site contract was part of.

GENERAL PAVING NOTES

1. All pavement shall be constructed in accordance with the following:

A. Concrete pavement shall be constructed in accordance with the Illinois Department of Transportation (IDOT) "Standard Specifications for Road and Bridge Construction" (Standard Specifications), latest edition, including all updates and standards Standards and requirements of City of Belvidere.

Additional details and requirements provided in the contract documents, including this plan set.

3. The subgrade of pavement areas shall be free of all unsuitable material and shall be compacted to a minimum 95 per cent of Standard

4. The subgrade shall be proof rolled, inspected and approved by the City of Belvidere prior to placing the base material. Notify the engineer at least 48 hours prior to finished subgrade preparation. The earthwork contractor shall be responsible for removal of spoil material from the underground contractors, preparing the roadway subgrade, proof rolled, placing topsoil to a minimum depth of 4 inches to finished grade in the parkways areas only, grading of drainage

swales, and all other tasks as directed by the owner or engineer. 6. The quantities contained in these documents are approximate and estimated, and are presented as a guide to the contractor in determining the scope of work. It is the Contractor's responsibility to determine all quantities and to become familiar with the site and soil conditions. 7. The paving Contractor is responsible for the final subgrade preparation, proof rolling, the pavement base, binder, and surface, and all final clean-up and related work associated with the paving operation.

8. The proposed pavement shall be of the type and thickness as specified in the engineering drawings, and constructed in strict conformance with the previously referenced IDOT standard specifications and City of Belvidere. 9. Areas of deficient paving, including compaction, smoothness, thickness, and asphalt mixture, shall be delineated, removed, and replaced in compliance with Specifications requirements unless corrected otherwise as directed and approved by the owner.

10. Field quality control tests specified herein will be conducted by the owner's Independent Testing Laboratory (ITL) at no cost to the contractor. Any testing and inspection resulting from the requirements of necessary permits by City of Belvidere or the State of Illinois shall be at the contractor's expense. The contractor shall perform additional testing as considered necessary by the contractor for assurance of quality control. Retesting required as a result of failed initial tests shall be at the contractor's expense.

A. Field testing, frequency, and methods may vary as determined by and between the owner, the ITL and City of Belvidere. B. Testing shall be performed on finished surface of each asphalt concrete course for smoothness, using 10'-0" straightedge applied parallel with, and at right angles to centerline of paved area. The following tolerances in 10 ft shall not be exceeded: Base Course Surface: 1/4-inch, Wearing Course Surface: 1/8-inch.



OWNER'S NAME BELVIDERE PARK DISTRICT FRONT PARKING LOT REPAIRS

1006 W LINCOLN AVE BELVIDERE, IL 61008 BOONE COUNTY BELVIDERE PARK DISTRICT

1006 W LINCOLN AVE BELVIDERE, IL 61008 (815) 547-5711

CONSULTANTS

15	SUED FOR	
		DATE
1.	OWNER REVIEW	05-31-22
2.	BIDDING	06-23-22
3.		
4.	_	
5.		
6.		
7.		
8.		
9.		
10		
11		
12		
R	EVISIONS	
_	ITEM	DATE
1.		
2.		
3.		
4.		
5.	_	
6.		

\square	SHEET TITLE	
	GENERAL NOT DETAILS	ES &
	DRAWN CHECKED	MJH JSL

PROJECT NUMBER

SHEET NUMBER 22063

C01









٢EY	QTY	Botanical name COMMON NAME	SIZE
MXL	1	Malus x 'Louisa' LOUISA HYBRID CRABAPPLE	2"
ALS	6	Aronia melanocarpa 'Low Scape Hedge' LOW SCAPE HEDGE ARONIA	24" / 5
HPL	1	Hydrangea panniculata 'Limelight' LIMELIGHT SHRUB HYDRANGEA	30" / 5
GB	7	Ilex glabra x 'Gem Box' GEM BOX DWARF HOLLY	5 GA
JCS	6	Juniperus chinensis 'Sargentii' GREEN SARGENT JUNIPER	24"
CFR	1	Calamagrostis acutiflora 'Karl Forster' FEATHER REED GRASS	GAI
EPC	9	Echinacea purperea 'Cheyenne Spirit' CHEYENNE PURPLE CONEFLOWER	GAI
_AB	9	Lavandula angustifolia 'Balavurulu' BALAVURULU SUPER BLUE LAVANDER	GAI
PGF	7	Phlox x glaberrima 'Forever Pink' FOREVER PINK HYBRID PHLOX	GAI
PLS	8	Perovskia atriplicifolia 'Little Sprite' LITTLE SPRITE RUSSIAN SAGE	GAI
RFG	8	Rudbeckia fulgida 'Goldsturm' BLACK-EYED SUSAN	GAI
SEF	15	Salvia nemorosa 'East Freisland' EAST FREISLAND MEADOW SAGE	GAI