PAVEMENT STRUCTURAL NUMBER ANALYSIS

Pavement Type	Depth (in)	SN (per inch)	(Depth* SN)
Surface Course (HMA, Mix D, N50)	2	0.4	0.8
Binder Course (HMA, IL-19, N50)	2	0.33	0.66
Aggregate Base Course (Type B)	8	0.13	1.04
		TOTAL SN:	2.50

PAVEMENT LEGEND

HEAVY DUTY PAVEMENT
2" BITUMINOUS SURFACE COURSE, HOT-MIX ASPHALT, MIX D, N50
2" BITUMINOUS BINDER COURSE, HOT-MIX ASPHALT, IL-19, N50
8" AGGREGATE BASE COURSE, TYPE B

CONCRETE PAVEMENT
7" PORTLAND CEMENT CONCRETE PAVEMENT W/ 6 X 6 W1.4 WWF
5" COMPACTED AGGREGATE BASE, TYPE B

HEAVY DUTY PAVEMENT (STREET PATCHING)
PAVEMENT SECTION TO MATCH EXISTING STREET
REFER TO CITY "CURB REPLACEMENT" DETAIL (SHEET C12)

SIDEWALK
SEE CITY SIDEWALK DETAIL (SHEET C12)

PAVEMENT MARKING LEGEND

- (A) 24" WHITE STOP BAR
- (B) 4" YELLOW LINE
- (C) LETTERS AND SYMBOLS PAVEMENT MARKINGS
- (D) 4" YELLOW DIAGONAL AT 45° SPACED 2' O.C. W/ 4" YELLOW BORDER
- (E) CITY OF NAPERVILLE CROSSWALK STRIPING (SEE DETAIL)

SITE DATA

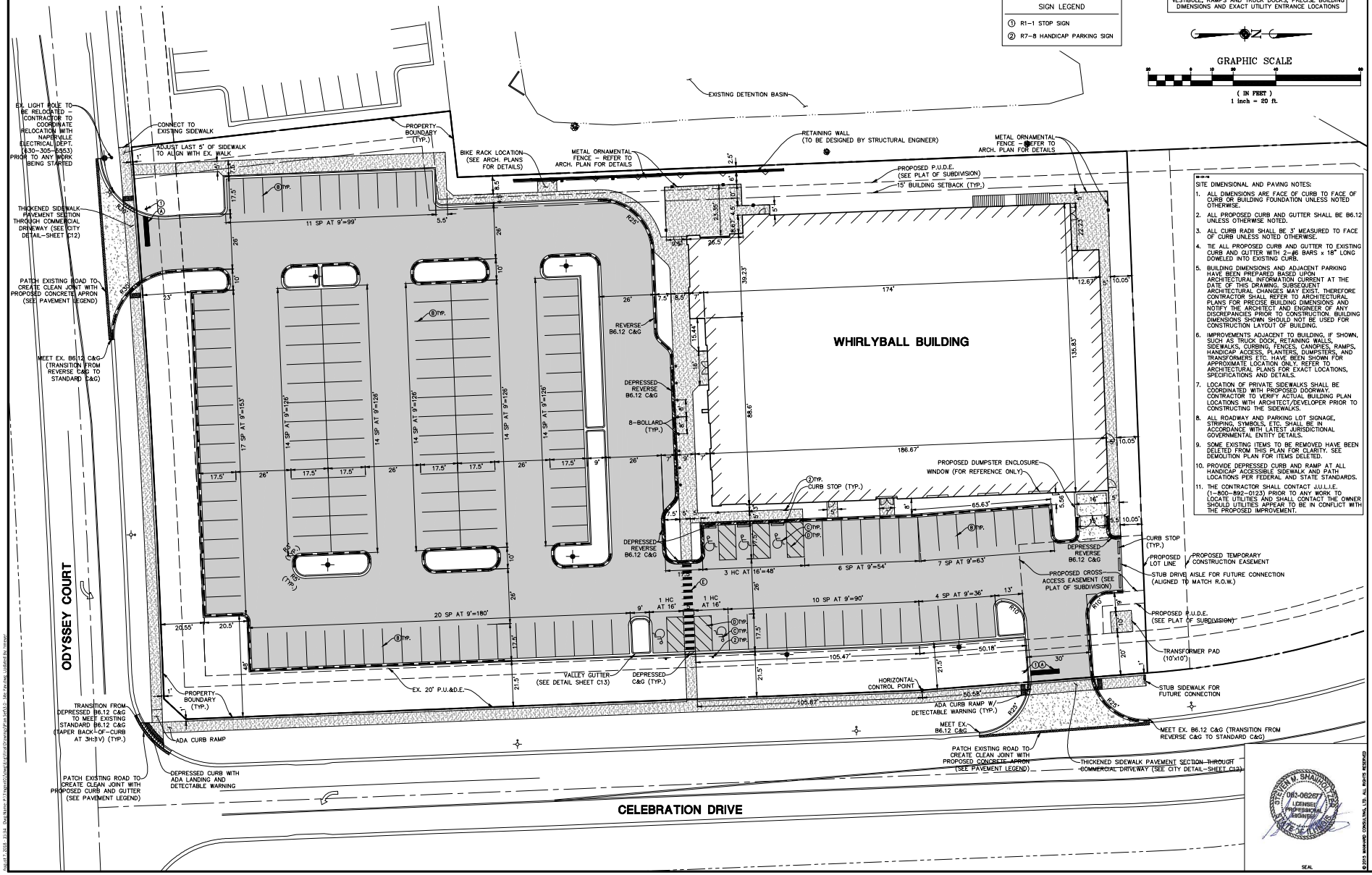
LOT AREA	2.75 ACRES
BUILDING FOOTPRINT (1ST FLOOR)	25,138± SQ FT
TOTAL BUILDING AREA (SEE ARCH. PLANS)	41,000± SQ FT
PARKING PROVIDED	150 SPACES
HANDICAP PROVIDED	5 SPACES

CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION OF SIDEWALKS, SIDEWALK SCORING, BENCHES, BIKE RACKS, FLAG POLES, ETC., DIMENSIONS OF VESTIBULE, RAMPS AND TRUCK DOCKS, PRECISE BUILDING DIMENSIONS AND EXACT UTILITY ENTRANCE LOCATIONS

SIGN LEGEND

1. R1-1 STOP SIGN
2. R7-8 HANDICAP PARKING SIGN

GRAPHIC SCALE
20 0 10 20 40 80
(IN FEET)
1 inch = 20 ft.



SITE DIMENSIONAL AND PAVING NOTES:

1. ALL DIMENSIONS ARE FACE OF CURB TO FACE OF CURB OR BUILDING FOUNDATION UNLESS NOTED OTHERWISE.
2. ALL PROPOSED CURB AND GUTTER SHALL BE B6.12 UNLESS OTHERWISE NOTED.
3. ALL CURB RADII SHALL BE 3' MEASURED TO FACE OF CURB UNLESS NOTED OTHERWISE.
4. TIE ALL PROPOSED CURB AND GUTTER TO EXISTING CURB AND GUTTER WITH 2–#6 BARS x 18" LONG DOWELED INTO EXISTING CURB.
5. BUILDING DIMENSIONS AND ADJACENT PARKING HAVE BEEN PREPARED BASED UPON ARCHITECTURAL INFORMATION CURRENT AT THE DATE OF THIS DRAWING. SUBSEQUENT ARCHITECTURAL CHANGES MAY EXIST. THEREFORE CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR PRECISE BUILDING DIMENSIONS AND NOTIFY THE ARCHITECT AND ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION. BUILDING DIMENSIONS SHOWN SHOULD NOT BE USED FOR CONSTRUCTION LAYOUT OF BUILDING.
6. IMPROVEMENTS ADJACENT TO BUILDING, IF SHOWN, SUCH AS TRUCK DOCK, RETAINING WALLS, SIDEWALKS, CURBING, FENCES, CANOPIES, RAMPS, HANDICAP ACCESS, PLANTERS, DUMPSTERS, AND TRANSFORMERS ETC. HAVE BEEN SHOWN FOR APPROXIMATE LOCATION ONLY. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS, SPECIFICATIONS AND DETAILS.
7. LOCATION OF PRIVATE SIDEWALKS SHALL BE COORDINATED WITH PROPOSED DOORWAY. CONTRACTOR TO VERIFY ACTUAL BUILDING PLAN LOCATIONS WITH ARCHITECT/DEVELOPER PRIOR TO CONSTRUCTING THE SIDEWALKS.
8. ALL ROADWAY AND PARKING LOT SIGNAGE, STRIPING, SYMBOLS, ETC. SHALL BE IN ACCORDANCE WITH LATEST JURISDICTIONAL GOVERNMENTAL ENTITY DETAILS.
9. SOME EXISTING ITEMS TO BE REMOVED HAVE BEEN DELETED FROM THIS PLAN FOR CLARITY. SEE DEMOLITION PLAN FOR ITEMS DELETED.
10. PROVIDE DEPRESSED CURB AND RAMP AT ALL HANDICAP ACCESSIBLE SIDEWALK AND PATH LOCATIONS PER FEDERAL AND STATE STANDARDS.
11. THE CONTRACTOR SHALL CONTACT J.U.L.I.E. (1-800-892-0123) PRIOR TO ANY WORK TO LOCATE UTILITIES AND SHALL CONTACT THE OWNER SHOULD UTILITIES APPEAR TO BE IN CONFLICT WITH THE PROPOSED IMPROVEMENT.

DATE	REVISIONS	DRAWN BY
07-27-18	REVISED PER CITY REVIEW	HCM

Manhard CONSULTING LTD.
Civil Engineers • Land Surveyors • Landscape Architects • Environmental Scientists • Water Resource Engineers • Planners

TMG THE MCKINN GROUP

WHIRLYBALL NAPERVILLE
CITY OF NAPERVILLE, ILLINOIS
SITE DIMENSIONAL AND PAVING PLAN

PENDING APPROVAL - NOT FOR CONSTRUCTION

PROJ. MGR:	SMS
PROJ. ASSOC:	HCM
DRAWN BY:	HCM
DATE:	07-02-18
SCALE:	1"=20'

SHEET C3 OF 15
TMG.NVIL01

STEVEN M. SHAWGO 062-062677 LICENSED PROFESSIONAL ENGINEER STATE OF ILLINOIS
SEAL

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EXHIBIT B