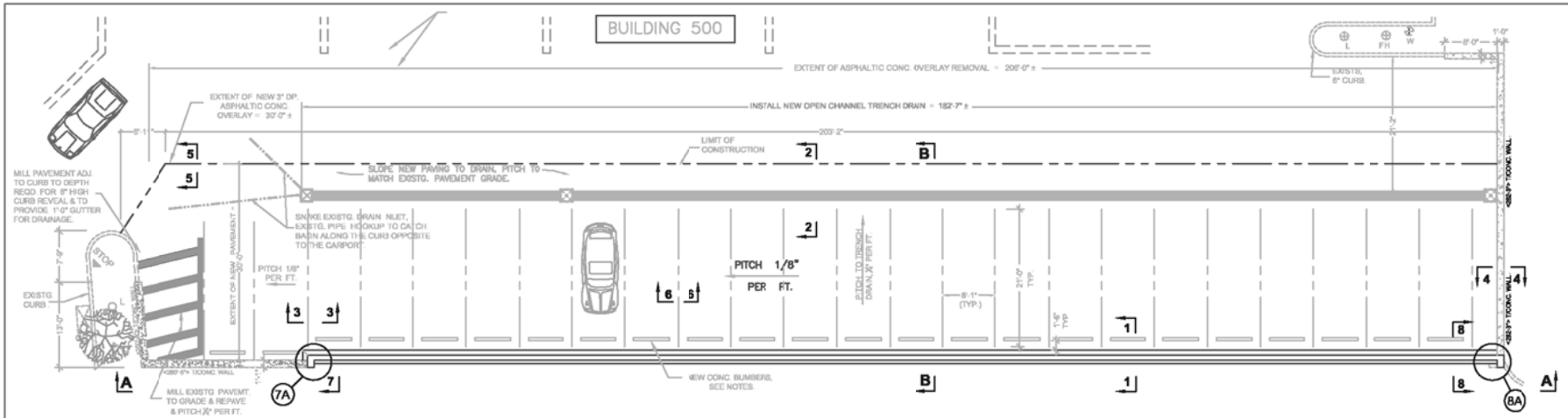
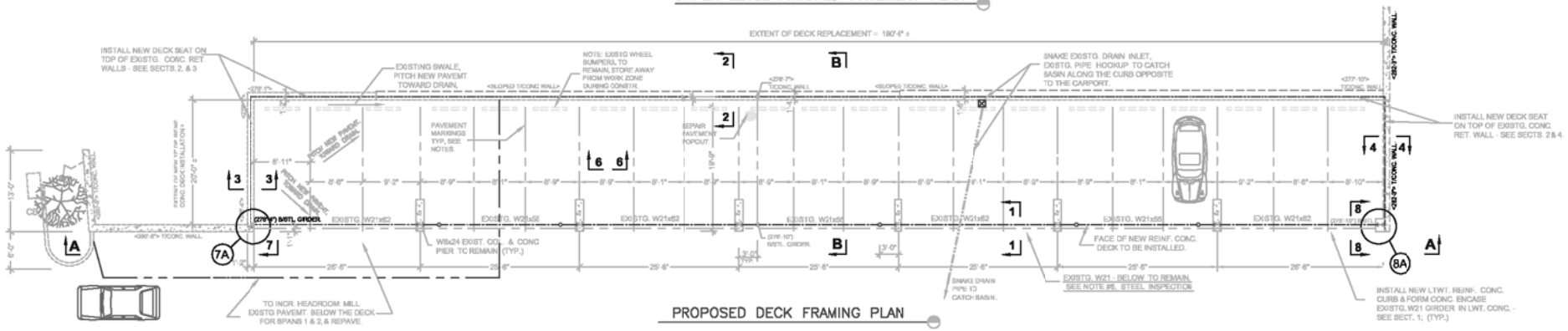


UPPER LEVEL FINISHED PAVEMENT PLAN



PROPOSED DECK FRAMING PLAN

CARPORT RECONSTRUCTION NOTES:

1.) NOTIFY GRIGG & DAVIS ENGINEERS, P.C., TO ARRANGE FOR A FIELD VISIT TO INSPECT THE CONDITION OF THE EXISTING STEEL BEAMS. PROVIDE SEPARATE COST ITEM, PER FOOT OF STEEL BEAM, TO REPLACE BEARINGS, REPAIR, REALIGN AND/OR REPLACE SECTIONS OF EXISTING STEEL GIRDERS. THE COST ITEM SHALL INCLUDE COST FOR COMPLETE PENETRATION GROOVE WELDS AT EACH END OF NEW STEEL BEAM SECTION. THE CONTRACTOR SHALL NOTIFY THE TESTING AGENCY TO PERFORM ULTRASONIC TESTING OF ALL FIELD GROOVE WELDS.

2.) REPAIR STEEL GIRDER, CONNECTORS, AND/OR & BEARINGS, AS DIRECTED BY ENGINEER OF RECORD, FOLLOWING INSPECTION. FOR FURTHER DISCUSSION, SEE NOTE #5.

3.) INSTALL FORMS, INSERT, WIRES, REINFORCEMENT w/ CHAIRS, AND NEW FLOOR DRAINS. NEW FLOORS DRAINS SHALL BE MADE FOR PARKING LOT USAGE, AND SHALL BE MADE FROM NON-CORROSIVE MATERIALS.

4.) CONCRETE WORK:
(A.) STRUCTURAL LIGHTWEIGHT REINF. CONC., $F'c$ = 5,000 psi. * SHALL BE PROVIDED AS FOLLOWS: INSTALL NEW STRUC. LTWT. REINF. CONC. CARPORT PARKING GARAGE DECK, CURBS, CONC. PARAPETS & ENCASE W21 GIRDERS IN CONC, THE FOLLOWING:
- 11" THK. STRUC. LTWT. REINF. CONC. SLAB. $F'c$ = 5,000 psi. *
- RUBBERIZED ASPHALTIC SHEET MEMBRANE: "BITUTHENE 5000," BY GRACE CORP.
- 2" THK. - TYPE 8F HIGH FRICTION ASPHALTIC CONC. OVERLAY.
- ENCASE THE EXISTING W21 STEEL GIRDERS IN STRUC. LTWT. CONC., $F'c$ = 5,000 psi. *

(B.) STRUCTURAL LIGHTWEIGHT REINF. CONC., $F'c$ = 4,000 psi. *, SHALL BE PROVIDED AS FOLLOWS:
- 8"H. x 9"W. CONC. CURB @ 6" CURB PROJECTION ABOVE FINISHED PAVEMT. IN STRUCTURAL LTWT. CONC.,
- 0" WIDE VERTICAL CONC. PARAPETS.
- APPROACH SLABS, REFER TO REFERENCED DETAILS.
- OPEN CHANNEL C.I.P. TRENCH DRAINS & MANHOLES.

FOOTNOTE:
* - THE VALUE OF F'c VALUE INDICATES THE MINIMUM 28-DAY ULTIMATE COMPRESSIVE STRENGTH, AS DETERMINED BY STANDARDIZED TESTING PROGRAM.

5.) NOTIFY GRIGG & DAVIS ENGINEERS, P.C., TO PERFORM INSPECTION OF REINFORCEMENT. DO NOT PLACE CONCRETE UNTIL REINFORCEMENT PLACEMENT IS APPROVED BY GRIGG & DAVIS ENGINEERS, P.C.

6.) EXCAVATE FOR THE INSTALLATION OF THE NEW TRENCH DRAIN, SUBJECT TO ON-SITE INSPECTION BY THE ENGINEER OF RECORD, DURING CONSTRUCTION. INLET PIPE CONNECTIONS SUBJECT INSPECTION DURING CONSTRUCTION.

7.) CONTRACTOR SHALL PERFORM THE REPAIR ALL WALLS, SHRUBBERY, EXISTING PAVEMENT, CURBS, UTILITIES, ETC., & ANY OTHER EXISTING SITE FEATURES DAMAGED DURING THE COURSE OF THE WORK, THE COST OF THE REPAIRED ITEMS SHALL BE AT THE CONTRACTOR'S EXPENSE.

8.) PLACE CONCRETE AND PITCH TOP OF CONCRETE SLAB TO NEW DRAINS. THE CONTRACTOR SHALL NOTIFY THE TESTING AGENCY TO TAKE TEST CYLINDERS.

9.) THE CONTRACTOR SHALL INSTALL THE FOLLOWING WATERPROOFING SYSTEMS:
A.) FOR DECK WATERPROOFING SHEET MEMBRANE: BITUTHENE 5000, BY GRACE CORP. CONFORMING TO ALL OF THE INSTALLATION GUIDELINES & PROCEDURES SET FORTH BY THE MANUFACTURER, INCORPORATED INTO THE CONTRACT DOCUMENTS. REFER TO TYPICAL DETAILS SHOWN ON SHT. 8, & SPECIFICATIONS SUPPLIED WITH THE ISSUANCE OF THE CONTRACT DRAWINGS.

B.) FOR EXPANSION JOINT AT DECK WALL JOINTS & THRU THE DECK SLAB, SEE TYPICAL DETAILS, SHOWN ON SHT. 8.

C.) FOR PVC WATER STOPS AT THE DECK WALL JOINT, SEE TYPICAL DETAILS, SHOWN ON SHT. 8.

10.) REFERENCED DETAILS:
SECTIONS 1 THRU 8, & TYPICAL DETAILS, SEE SHTS. 7 & 8.
SECTIONS A & B (LONGITUDINAL & TRANSVERSE ELEVATIONS), SEE SHT 5.
LIGHTING PLANS & DETAILS, SEE SHT. 10.
TYPICAL REPAIR DETAILS, SEE SHT. 9.
FOR ADDITIONAL DEMOLITION REQUIREMENTS, SEE NOTES ON SHTS. 1 & 2.
CONC. POUR PLACEMT. PLANS & EXP., CONSTR., & CONTRACTION JT. DETAILS, SEE SHT. 6.

12.) LIGHTING FIXTURES ABOVE & BELOW DECK ARE NOT SHOWN, FOR LIGHTING INFO., SEE LIGHTING PLANS & DETAILS, SHOWN ON SHEET #9

13.) INSTALL PARKING LOT PAVEMENT MARKINGS, FOR SPECIFICATIONS, SEE NOTES SHEET #2, THE PRICE INCLUDED IN THE PRICE BID FOR THE PROJECT.

14.) INSTALL NEW PRECAST CONCRETE WHEEL BUMPER, AT THE UPPER PARKING DECK, THE PRICE TO BE INCLUDED IN THE PRICE BID FOR THE PROJECT.

15.) REPAVE THE EXCAVATED MILLED EXISTING PAVEMENT BELOW SPANS #1 & #2, TO PROVIDE 7'-0" MIN. FINAL CLEARANCE AS MEASURED FOR EACH SPAN: BETWEEN ABOVE & THE TOP OF HIGHEST PAVEMENT ELEVATION BELOW.

16.) PAVEMENT MARKINGS SHALL CONFORM TO NYSDOT APPROVED WHITE & YELLOW EPOXY REFLECTORIZED, CONVENTIONAL DRY - COLD APPLIED, PAVEMENT MARKINGS. (NYSDOT ITEM #640) MANUFACTURER TO CERTIFY THAT THE PRODUCT COMPLIES WITH VOC (VOLITILE ORGANIC COMPOUNDS) SET FORTH BY NYSDOT - DEP.

DATE	ISSUE/REVISION

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High Point of Hartsdale Condo. III – Building #500 Reconstruction of Parking Carport Garage

PROPOSED PLANS