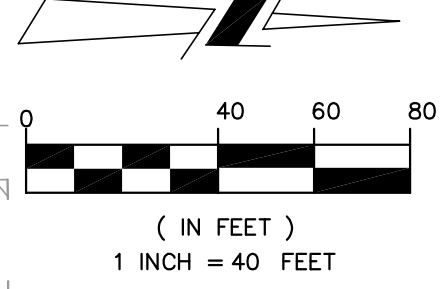
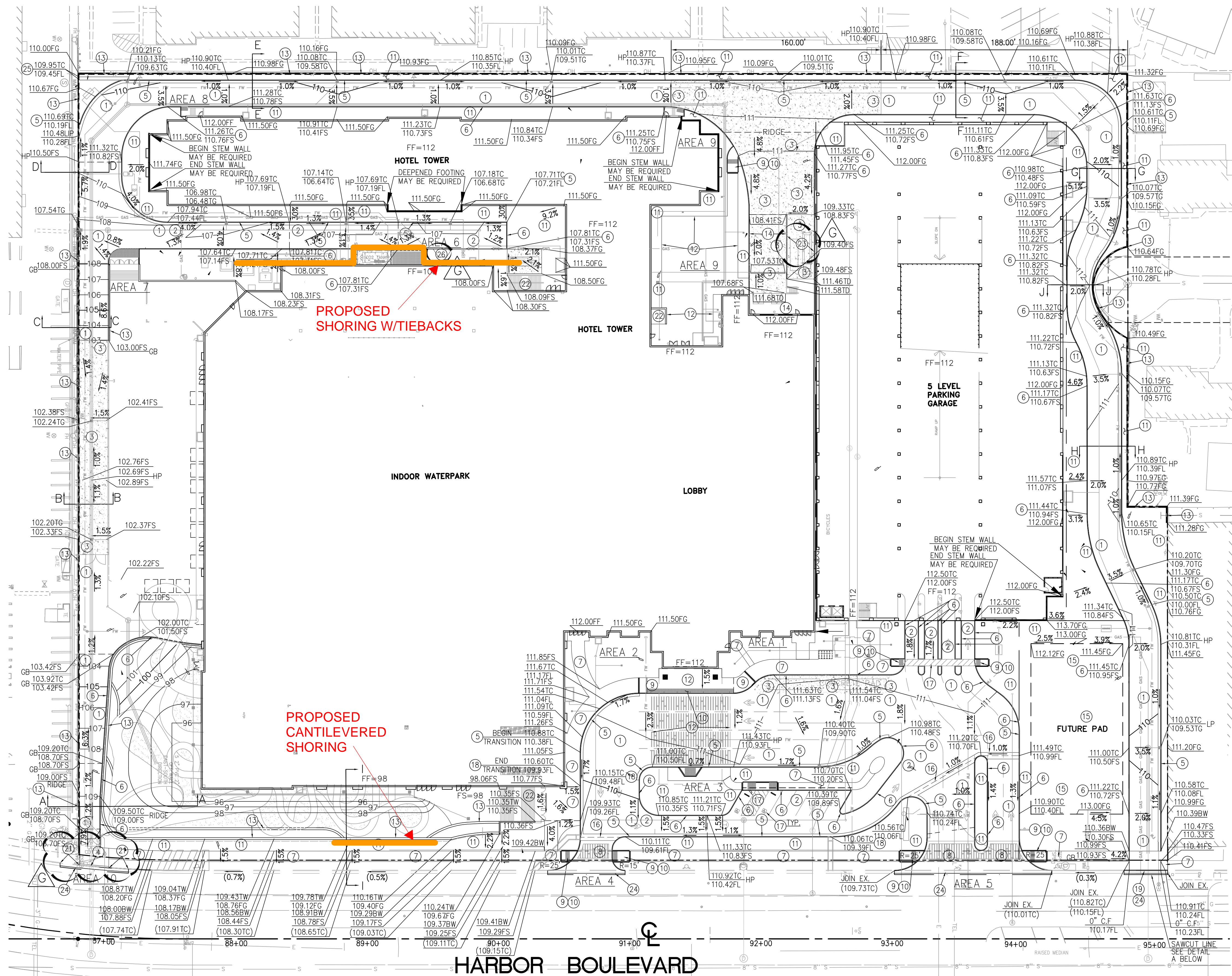


GRADING PLAN

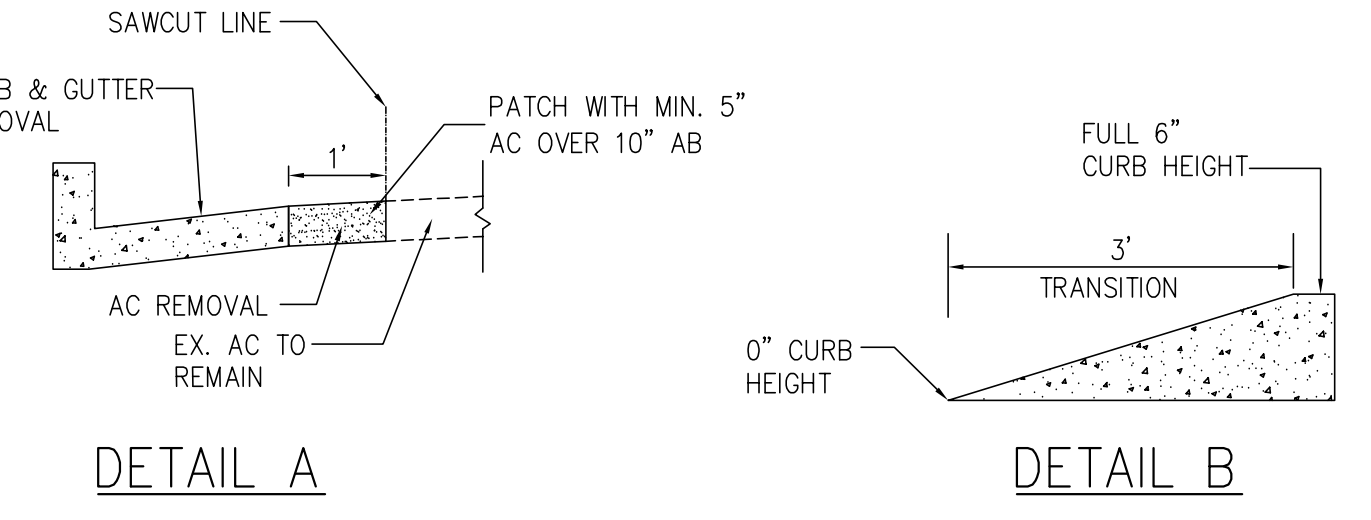
EXHIBIT AA SHORING PLAN



CONSTRUCTION NOTES:

- CONSTRUCT HEAVY DUTY ASPHALT CONCRETE, 6" AC OVER 11.5" CMB, PER SOILS REPORT.
- CONSTRUCT REGULAR DUTY ASPHALT CONCRETE, 4.5" AC OVER 8.5" CMB, PER SOILS REPORT.
- CONSTRUCT PCC PAVEMENT, 6" CONCRETE OVER 4" CMB, PER SOILS REPORT, WITH #3 REBAR AT 18" O.C. EACH WAY.
- CONSTRUCT 8" ROLLED CURB & GUTTER PER COUNTY OF ORANGE DETAIL 1201, OVER 6" AB, SEE SHEET 11.
- CONSTRUCT 6" CURB & GUTTER PER CITY OF GARDEN GROVE STD. B-113, D-6, MODIFIED W/ 2" GUTTER, OVER 6" AB, SEE SHEET 11.
- CONSTRUCT 6" CURB PER CITY OF GARDEN GROVE STD. B-112, A-6, OVER 6" AB, SEE SHEET 11.
- CONSTRUCT 4" THICK PCC SIDEWALK PER CITY OF GARDEN GROVE STD. B-106 (MODIFIED = SLOPE PER PLAN, 2% MAX. CROSS SLOPE). SEE SHEET 11.
- CONSTRUCT MODIFIED DRIVE ENTRANCE PER CITY OF GARDEN GROVE STD. B-120A, RADIUS PER PLAN, OVER 6" AB. SEE SHEET 9 FOR DRIVEWAY DETAILS AND ELEVATIONS.
- CONSTRUCT CURB RAMP PER APWA STD. 111-4. SEE SHEET 9 FOR RAMP ELEVATIONS, CASE, AND TYPE.
- INSTALL TRUNCATED DOMES PER CALIFORNIA BUILDING CODE REQUIREMENTS, 2013 EDITION.
- PLANTING PER LANDSCAPE PLANS, SHEETS L5.1 THRU L5.4 PER THIS PLAN SET.
- CONCRETE PAVING PER LANDSCAPE PLANS, SHEETS L1.1, L1.2, L1.3, L1.4, AND L2.1 PER THIS PLAN SET.
- WALLS PER SEPARATE PLANS & PERMIT BY STRUCTURAL ENGINEER.
- TRUCK DOCK WALLS AND LANDINGS PER ARCH. PLANS SHEET A1.1 & A1.3 PER THIS PLAN SET.
- HYDROSEED OR LANDSCAPE FUTURE PAD AREA.
- CONSTRUCT 5" WIDE V-GUTTER, OVER 6" AB, PER DETAIL ON SHEET 11.
- STRIPING PER ARCH. PLANS SHEET A1.6 & A1.2 PER THIS PLAN SET.
- CONSTRUCT 8" CURB & GUTTER PER CITY OF GARDEN GROVE STD. B-113, C-8, MODIFIED W/ 2" GUTTER, OVER 6" CMB, SEE SHEET 11.
- CONSTRUCT DRIVE ENTRANCE PER APWA STD. 110-2, TYPE B, PER ELEVATIONS SHOWN HEREON.
- 3" TRANSITION FROM 6" CURB TO 0" CURB, SEE DETAIL B BELOW.
- TRANSITION FROM 8" CURB & GUTTER TO 8" ROLLED CURB, PER COUNTY OF ORANGE DETAIL 1201, SEE SHEET 11.
- CONSTRUCT STAIRS PER ARCH. PLANS SHEET A1.1, A1.3, A1.5 AND PER LANDSCAPE PLANS L1.3, L1.4 & L2.1 PER THIS PLAN SET.
- TRASH COMPACTOR AND BAILER PER ARCH. PLANS SHEET A1.1 & A1.3 PER THIS PLAN SET.
- SAWCUT & REMOVE EX. CURB AND GUTTER & AC, MIN. 1" WIDE FOR CONSTRUCTION OF NEW DRIVE ENTRANCE. PATCH WITH MIN. 5" AC OVER 10" AB, SEE DETAIL A BELOW.
- CONTRACTOR TO PROVIDE 16" WIDE BY 8" HIGH OPENING OF WALL AT FLOWLINE ELEVATION TO ALLOW FOR OVERFLOW TO MATCH PRE-DEVELOPMENT CONDITIONS. SEE DETAIL C ON SHEET 9.
- CONSTRUCT SERVICE RAMP PER ELEVATIONS SHOWN ON SHEET 9.

NOTE:
REFER TO SHEET 9 FOR AREA GRADING PLAN DETAILED INFORMATION.



IMPORTANT NOTICE
Section 4216/4217 of the Government Code requires a Dig Alert identification Number to be issued before a Permit to Excavate will be valid. For your Dig Alert ID Number Call 1-800-422-4133 For Underground Locating 2 Working Days before You Dig

UNAUTHORIZED CHANGES & USES:
THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR OR LIABLE FOR UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS. CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.

ENGINEERS NOTE TO CONTRACTOR:
THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITIES, PIPES, AND/OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THESE PLANS. THE CONTRACTOR SHALL ASCERTAIN THE TRUE VERTICAL AND HORIZONTAL LOCATION OF THOSE UNDERGROUND UTILITIES TO BE USED AND SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ANY PUBLIC OR PRIVATE UTILITIES, SHOWN OR NOT SHOWN HEREON. IF THE CONTRACTOR ENCOUNTERS ANY DISCREPANCIES, CONFLICTS OR AREAS WHICH HE FEELS UNWORKABLE, HE SHALL NOTIFY THE GRADING ENGINEER IMMEDIATELY PRIOR TO CONTINUING OR DEVIATING FROM THIS PLAN.

BASIS OF BEARINGS
THE BEARINGS SHOWN HEREON ARE BASED ON THE BEARING BETWEEN O.C.S. HORIZONTAL CONTROL STATION GPS. NO. 3057 AND GPS. NO. 3074 BEING NORTH 89°22'29" WEST PER RECORDS ON FILE IN THE OFFICE OF THE ORANGE COUNTY SURVEYOR.

BENCHMARK:
DESIGNATION: 1F-161-92
DESCRIPTION: DESCRIBED BY O.C.S. 2002 - FOUND 3 3/4" O.C.S. ALUMINUM BENCHMARK DISK STAMPED "1F-161-92", SET IN THE SOUTHEAST CORNER OF A 4 FT. BY 10 FT. CONCRETE CATCH BASIN. MONUMENT IS LOCATED IN THE NORTHWESTERLY CORNER OF THE INTERSECTION OF LAMPSON AVENUE AND HARBOR BOULEVARD, 92 FT. EASTERLY OF THE CENTERLINE INTERSECTION OF HARBOR BOULEVARD AND 25 FT. NORTHERLY OF THE CENTERLINE OF LAMPSON AVENUE. MONUMENT IS SET LEVEL WITH THE SIDEWALK.
DATUM: NAVD88
ELEVATION: 111.988 FEET
YEAR LEVELED: 2005

PREPARED UNDER THE SUPERVISION OF TAIT & ASSOCIATES, INC.	
PA / PM:	
DRAWN BY:	
JOB NO.:	IRW10-0065-02
SHEET 4 OF 16 G-1283	
MICHAEL P. SILVEY 58651	DATE
	SEAL

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McWHINNEY
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GRADING PLAN	
DATE	REVISIONS
08/09/2013	DESIGN ASSESSMENT PROGRESS SET
08/23/2013	PHASE II GMP
12/06/2013	ADDENDUM E
1/31/2014	ADDENDUM F
03/04/2014	ADDENDUM G