HEBER PUBLIC UTILITY DISTRICT
RECREATION CENTER PROJECT

PROJECT DESCRIPTION

HEBER PUBLIC UTILITY DISTRICT (HPUD) PROPOSES TO CONSTRUCT A RECREATIONAL CENTER FOR THE UNINCORPORATED COMMUNITY OF HEBER IN IMPERIAL COUNTY. THE RECREATIONAL CENTER IS PROPOSED TO BE CONSTRUCTED AND OPERATED IN THE EXISTING LOT OWNED BY HPUD (A PUBLICLY OWNED SPECIAL DISTRICT). HPUD'S RESOURCES ARE LIMITED AND WOULD LIKE TO MAKE THIS PROJECT WORK AT THIS LOCATION TO PROVIDE RESIDENTS WITH NEEDED RECREATIONAL OPPORTUNITIES.

THE PROJECT SITE IS ZONED R-1 (LOW DENSITY RESIDENTIAL) WHICH ALLOWS FOR PUBLICLY OWNED RECREATIONAL FACILITIES. THE PROJECT SITE CONSISTS OF 65 FEET BY 110 FEET RECTANGULAR LOT AT 156 LITTLEFIELD WAY, HEBER, CA 92249 (APN 054-601-001). THE LOT IS LOCATED WITHIN THE HEBER MEADOWS SUBDIVISION. THE LOT (CORNER LOT) AND IS BOUNDED BY LITTLEFIELD WAY ON THE SOUTH, EXISTING RESIDENTIAL SINGLE-FAMILY DWELLING UNIT TO THE EAST, UNDEVELOPED EMPTY LOT TO THE NORTH, AND BLOOMFIELD STREET TO THE WEST. THE LOT IS CURRENTLY VACANT, BUT WAS PREVIOUSLY USED AS A PARKING LOT FOR VISITORS OF THE HEBER MEADOWS SUBDIVISION'S HOME SALES OFFICE.

THE EXISTING LOT IS EMPTY WITH NATIVE SOIL, A DETERIORATED ASPHALT PARKING LOT, AND HAS MINOR LANDSCAPING SHRUBS. THE LOT HAS A WATER SERVICE CONNECTION THAT IS IN OPERATION, AND SEWER SERVICE HOOK-UP CONNECTION. THE LOT HAS THE CAPABILITY FOR POWER AND COMMUNICATION UTILITIES. THE LOT HAS WOOD FENCING SURROUNDING THE EAST, NORTH, AND WEST SIDES OF THE PROPERTY. THE LOT HAS EXISTING SIDEWALK ON THE WEST SIDE ALONG BLOOMFIELD STREET AND SOUTH SIDE ALONG LITTLEFIELD WAY. THE LOT HAS AN EXISTING DRIVEWAY ALONG LITTLEFIELD WAY, WHICH IS THE PROPOSED DRIVEWAY ENTRANCE TO THE RECREATIONAL CENTER BUILDING.

THE CONSTRUCTION PROJECT WILL INCLUDE THE MINOR DEMOLITION, GRADING, AND CONSTRUCTION OF A METAL BUILDING TO SERVE AS THE RECREATIONAL CENTER BUILDING. THE PROJECT WILL REQUIRE DEMOLITION OF THE EXISTING ASPHALT PARKING LOT, BOLLARDS, AND EXISTING LANDSCAPE SHRUBS. THE EXISTING LOT WILL BE GRADED TO ACCOMMODATE THE PROPOSED METAL BUILDING, SIDEWALK AREAS, DRIVEWAY, NEW ASPHALT PARKING LOT AREA, AND NEW LANDSCAPING.

THE PROPOSED METAL BUILDING WILL BE 40-FEET BY 40-FEET (1,600 SQUARE FEET) AND WILL INCLUDE A LARGE MAIN ROOM WITH PARTITIONED OFFICE, STORAGE ROOM, AND RESTROOM FACILITIES. THE FRONT OF THE BUILDING WILL FACE WESTERLY, TOWARDS BLOOMFIELD STREET. CONTRACTOR WILL BE REQUIRED TO PROVIDE ALL OF THE BUILDING'S (INCLUDING THE FOUNDATION) DESIGN DRAWINGS AND CALCULATIONS TO MEET THE CURRENT BUILDING CODE REQUIREMENTS. THE CONTRACTOR WILL BE RESPONSIBLE FOR SECUREMENT OF THE BUILDING PERMIT THROUGH THE COUNTY OF IMPERIAL'S PLANNING AND DEVELOPMENT SERVICES DEPARTMENT.

A PEDESTRIAN SIDEWALK IS TO BE CONSTRUED FROM LITTLEFIELD WAY TO THE BUILDING. THE EXISTING DRIVEWAY ALONG LITTLEFIELD WAY WILL LEAD TO FIVE (5) PARKING SPACES, IN WHICH ONE (1) OF SPACE IS ADA COMPLIANT.

THE EXISTING WATER SERVICE AND SEWER SERVICE UTILITIES ARE TO BE EXTENDED AND CONNECTED TO EACH PERSPECTIVE FACILITY WITHIN THE BUILDING. NEW POWER SERVICE AND COMMUNICATION SERVICE UTILITIES ARE TO BE INSTALLED FOR THE BUILDING. NEW LANDSCAPING IS TO BE PLACED THROUGHOUT THE LOT.

GENERAL NOTES

STREET IMPROVEMENT GENERAL NOTES

1. ~~COUNTY ENCROACHMENT PERMIT CONDITIONS AND PROVISIONS SHALL TAKE PRECEDENCE OVER THE APPROVED PLANS AND SPECIFICATIONS FOR ANY CONFLICTS.~~
2. THE STRUCTURAL SECTIONS SHALL BE IN ACCORDANCE WITH IMPERIAL COUNTY STANDARDS (OR CALTRANS IF IN STATE ROW) AND AS APPROVED BY THE PUBLIC WORKS DIRECTOR (OR CALTRANS).
3. APPROVAL OF THESE IMPROVEMENT PLANS AS SHOWN DOES NOT CONSTITUTE APPROVAL OF ANY CONSTRUCTION OUTSIDE THE PROJECT BOUNDARY.
4. ~~ALL UNDERGROUND UTILITIES WITHIN THE STREET RIGHT-OF-WAY SHALL BE CONSTRUCTED, CONNECTED AND TESTED PRIOR TO CONSTRUCTION OF BERM, CURB, CROSS-GUTTER AND PAVING.~~
5. THE EXISTENCE AND LOCATION OF EXISTING UNDERGROUND FACILITIES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO OTHER EXISTING FACILITIES EXCEPT AS SHOWN ON THESE PLANS. HOWEVER, THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT ANY EXISTING FACILITY SHOWN HEREON AND ANY OTHER WHICH IS NOT OF RECORD OR NOT SHOWN ON THESE PLANS.
6. LOCATION AND ELEVATIONS OF IMPROVEMENTS TO BE MET BY WORK TO BE DONE SHALL BE CONFIRMED BY FIELD MEASUREMENTS PRIOR TO CONSTRUCTION OF NEW WORK. CONTRACTOR WILL MAKE EXPLORATORY EXCAVATIONS AND LOCATE EXISTING UNDERGROUND FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS IF REVISIONS ARE NECESSARY BECAUSE OF ACTUAL LOCATION OF EXISTING FACILITIES.
7. UTILITIES COORDINATION

NO LESS THAN 3 WORKING DAYS PRIOR TO ANY EXCAVATION OR TRENCHING, EACH CONTRACTOR DOING SUCH WORK SHALL CONTACT THE FOLLOWING AGENCIES SO THAT EXISTING UNDERGROUND UTILITIES MAY BE LOCATED. THE AGENCY MAY REQUIRE AN INSPECTOR TO BE PRESENT.

1.	WATER/SEWER HEBER PUBLIC UTILITY DISTRICT (HPUD)	(760) 482-2440
2.	IMPERIAL IRRIGATION DISTRICT (POWER)	(760) 339-9280
3.	IMPERIAL IRRIGATION DISTRICT (WATER)	(760) 339-9263
4.	AT&T	(800) 422-4133
5.	SOUTHERN CALIFRONIA GAS CO.	(760) 370-5812
6.	THE CABLE COMPANY	(760) 352-6512

EXISTING UNDERGROUND UTILITIES

BEFORE EXCAVATING FOR THIS CONTRACT, VERIFY LOCATION OF UNDERGROUND UTILITIES. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS HAS BEEN OBTAINED FROM AVAILABLE RECORDS ONLY AND MAY NOT REFLECT ALL EXISTING UTILITIES. LOCATION OF ALL EXISTING UTILITIES SHALL BE CONFIRMED BY FIELD MEASUREMENTS BY CONTRACTOR PRIOR TO CONSTRUCTION OF WORK.

CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN HERON AND ANY OTHER EXISTING LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.

ACCURATE VERIFICATIONS AS TO SIZE, LOCATION AND DEPTH OF EXISTING UNDERGROUND SERVICES SHALL BE THE CONTRACTORS RESPONSIBILITY. THE CONTRACTOR SHALL NOTIFY THE SOUTHERN CALIFORNIA GAS COMPANY, AT&T, IMPERIAL IRRIGATION DISTRICT AND ANY OTHER AFFECTED UTILITY AGENCIES PRIOR TO STARTING HIS WORK NEAR SUCH UTILITY FACILITIES AND SHALL COORDINATE HIS WORK WITH UTILITY REPRESENTATIVES. FOR LOCATION OF UNDERGROUND UTILITIES AND APPURTENANCES, CONTACT "UNDERGROUND SERVICE ALERT" AT 811.

7. IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER TO CONTACT THE UTILITY AGENCIES, ADVISE THEM OF THE PROPOSED IMPROVEMENTS AND BEAR THE COST OF RELOCATIONS, IF NEEDED.
8. ~~NO PAVING SHALL BE DONE UNTIL EXISTING POWER POLES ARE RELOCATED OUTSIDE THE AREAS TO BE PAVED.~~
9. ~~PRIVATE ROAD IMPROVEMENTS SHOWN HEREON ARE FOR INFORMATION ONLY. COUNTY OFFICIALS SIGNATURE HEREON DOES NOT CONSTITUTE APPROVAL OR RESPONSIBILITY OF ANY KIND FOR THE DESIGN OR CONSTRUCTION OF THESE PRIVATE IMPROVEMENTS.~~
10. ALL SIGNS TO BE ALUMINUM WITH 3M HIGH INTENSITY TYPE REFLECTIVE FACE OR EQUIVALENT.
11. CONTRACTOR WILL BE RESPONSIBLE FOR THE REPLACEMENT OF ANY STRIPING, PAVEMENT MARKERS, OR LEGENDS OBLITERATED BY THE CONSTRUCTION OF THIS PROJECT.
12. THE CONTRACTOR SHALL PERFORM ALL NEW STRIPING AND REMOVAL OF PREVIOUS STRIPING.
13. ~~THE CONTRACTOR SHALL BE RESPONSIBLE TO SECURE AN ENCROACHMENT PERMIT FROM THE COUNTY OF IMPERIAL DEPARTMENT OF PUBLIC WORKS FOR ANY EXCAVATION OR CONSTRUCTION WITHIN COUNTY ROAD RIGHT-OF-WAY. FOR INSPECTIONS, 48 HOUR MINIMUM NOTICE IS REQUIRED. (760) 482-4462. ADDITIONALLY, UNDERGROUND SERVICE ALERT (USA) MUST BE CALLED TWO WORKING DAYS BEFORE THE CONTRACTOR MAY EXCAVATE. THEIR CONTACT NUMBER IS 811. ALL WORK AND MATERIALS ARE SUBJECT TO THE INSPECTION AND APPROVAL FROM THE COUNTY DEPARTMENT OF PUBLIC WORKS OR THEIR REPRESENTATIVE.~~
14. NO REVISIONS OF ANY KIND SHALL BE MADE TO THESE PLANS WITHOUT THE PRIOR WRITTEN APPROVAL OF BOTH THE COUNTY ENGINEER (OR HIS REPRESENTATIVE) AND THE ENGINEER OF RECORD. A REPRODUCIBLE AS-BUILT PLAN SET WILL BE PROVIDED TO THE PUBLIC WORKS DEPARTMENT AS A CONDITION OF SUBSTANTIAL CONSTRUCTION COMPLETION AND PRIOR TO ACCEPTANCE.
15. ALL WORK AND MATERIALS SHALL CONFORM TO THESE PLANS AND SPECIFICATIONS, THE IMPERIAL COUNTY DEPARTMENT OF PUBLIC WORKS STANDARDS AND ENCROACHMENT PERMIT CONDITIONS, ANY REFERENCED STANDARDS AND SPECIFICATIONS AND THE SPECIFICATIONS & THE REQUIREMENTS OF THE AGENCIES REFERRED TO HEREIN. ALL WORK SHOWN OR INDICATED BY THESE PLANS SHALL BE COMPLETED IN ACCORDANCE WITH THE STANDARDS, POLICIES AND REGULATIONS OF IMPERIAL COUNTY. WHERE, OR IF, CONFLICTS OCCUR, THEN THE IMPERIAL COUNTY REQUIREMENTS SHALL GOVERN.
16. UNLESS SPECIFICALLY INDICATED OTHERWISE METHODS EMPLOYED AND MATERIAL USED IN THE CONSTRUCTION OF ALL OFFSITE IMPROVEMENTS SHALL CONFORM TO THE APPLICABLE PROVISIONS OF THE "STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS DATED MAY 2010". ALL WORK IS SUBJECT TO INSPECTION AND APPROVAL AS REQUIRED.
17. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN AN EXCAVATION PERMIT FROM THE STATE OF CALIFORNIA DIVISION OF SAFETY AND TO ADHERE TO ALL PROVISIONS OF THE STATE CONSTRUCTION SAFETY ORDERS AND STANDARDS.
18. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN A GENERAL CONSTRUCTION ACTIVITY STORM WATER PERMIT FROM THE STATE WATER RESOURCES CONTROL BOARD DIVISION OF WATER QUALITY. CONTACT "STATE WATER RESOURCES CONTROL BOARD, DIVISION OF WATER QUALITY, ATTENTION: STORM WATER PERMIT UNIT, P.O. BOX 1977, SACRAMENTO, CALIFORNIA, 95812".
19. CONSTRUCTION PROJECTS DISTURBING MORE THAN ONE ACRE MUST OBTAIN A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT. OWNER/DEVELOPERS ARE REQUIRED TO FILE A NOTICE OF INTENT (NOI) WITH THE STATE WATER RESOURCES CONTROL BOARD, PREPARE A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND MONITORING PLAN FOR THE SITE.
20. EXISTING STORM DRAIN PIPES/CULVERTS WHETHER TO BE CONNECTED TO, EXTENDED, ADJUSTED, DRAINED TO, OR JUST IN PROJECT VICINITY SHALL BE REPAIRED AND/OR CLEANED TO MAKE THEM FUNCTIONAL AND ACCEPTABLE AS DIRECTED BY THE PUBLIC WORKS DIRECTOR.
21. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.) OR AS DIRECTED BY THE IMPERIAL COUNTY TRAFFIC ENGINEER.
22. ANY EXISTING SURVEY MONUMENTS OR COUNTY RECOGNIZED BENCHMARKS SHALL BE PROTECTED BY THE CONTRACTOR. SHOULD ANY SUCH MONUMENTS OR BENCHMARKS BE REMOVED, DAMAGED, OBLITERATED OR ALTERED BY THE CONTRACTORS OPERATIONS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER RESETTING OF THE SAME AS PER THE SUBDIVISION MAP ACT. THE PROFESSIONAL LAND SURVEYORS ACT AND THE SATISFACTION OF THE COUNTY SURVEYOR/DIRECTOR OF PUBLIC WORKS. SUCH POINTS SHALL BE REFERENCED AND REPLACED WITH APPROPRIATE MONUMENTATION BY A LICENSED LAND SURVEYOR OR A REGISTERED CIVIL ENGINEER AUTHORIZED TO PRACTICE LAND SURVEYING. A CORNER RECORD OR RECORD OF SURVEY AS APPROPRIATE SHALL BE FILED BY THE LICENSED LAND SURVEYOR OR REGISTERED CIVIL ENGINEER.
23. DUST SHALL BE CONTROLLED BY THE CONTRACTOR IN ACCORDANCE WITH ALL IMPERIAL COUNTY AIR POLLUTION CONTROL DISTRICT (APCD) FUGITIVE DUST CONTROL RULES AND REGULATIONS AND SHALL COMPLY WITH THEIR PERMITTING REQUIREMENTS, IF APPLICABLE.
24. THE NOTES LISTED ABOVE ARE A MINIMUM LIST. THIS DOES NOT RELIEVE THE ENGINEER FROM COMPILING ADDITIONAL NOTES THAT MAY BE REQUIRED FOR THE PROJECT.

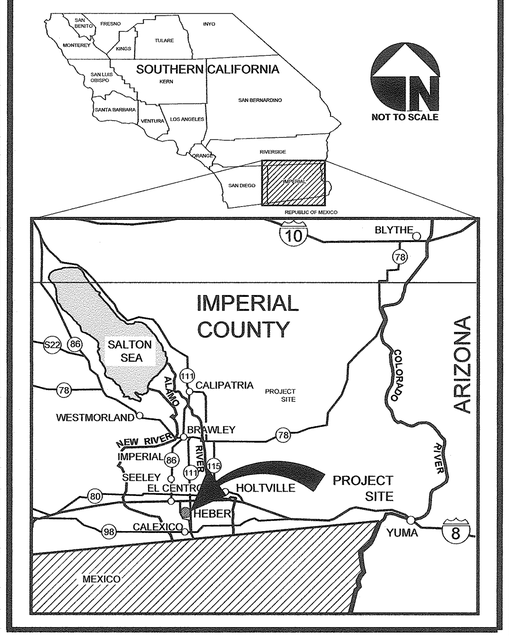
GRADING PLAN GENERAL NOTES

1. ~~APPROVAL OF THIS GRADING PLAN DOES NOT CONSTITUTE APPROVAL OF VERTICAL OR HORIZONTAL ALIGNMENT OF ANY PRIVATE ROAD SHOWN HEREON FOR COUNTY ROAD PURPOSES.~~
2. FINAL APPROVAL OF THESE GRADING PLANS SUBJECT TO FINAL APPROVAL OF THE ASSOCIATED IMPROVEMENT PLANS WHERE APPLICABLE. ~~FINAL CURB GRADE ELEVATIONS MAY REQUIRE CHANGES IN THESE PLANS.~~
3. IMPORT MATERIAL SHALL BE OBTAINED FROM A LEGAL SITE.
4. ~~THE CONTRACTOR SHALL BE RESPONSIBLE TO SECURE AN ENCROACHMENT PERMIT FROM THE COUNTY OF IMPERIAL DEPARTMENT OF PUBLIC WORKS FOR ANY EXCAVATION OR CONSTRUCTION WITHIN COUNTY ROAD RIGHT-OF-WAY. FOR INSPECTIONS, 48 HOUR MINIMUM NOTICE IS REQUIRED. (760) 482-4462. ADDITIONALLY, UNDERGROUND SERVICE ALERT (USA) MUST BE CALLED TWO WORKING DAYS BEFORE THE CONTRACTOR MAY EXCAVATE. THEIR CONTACT NUMBER IS 811. ALL WORK AND MATERIALS ARE SUBJECT TO THE INSPECTION AND APPROVAL OF THE COUNTY DEPARTMENT OF PUBLIC WORKS.~~
5. THE CONTRACTOR SHALL VERIFY THE EXISTENCE AND LOCATION OF ALL UTILITIES BEFORE COMMENCING WORK. NOTICE OF PROPOSED WORK SHALL BE GIVEN TO THE FOLLOWING AGENCIES:

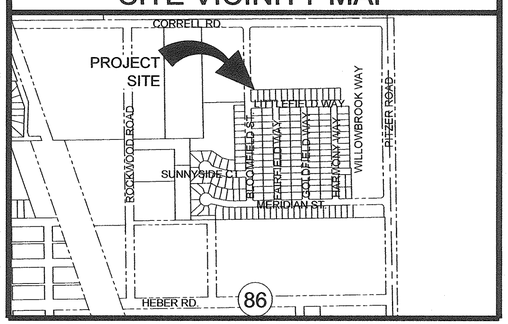
GAS:	TELEPHONE NO.	(760) 370-5812
IID POWER:	TELEPHONE NO.	(760) 339-9280
IID WATER:	TELEPHONE NO.	(760) 339-9263
AT&T TELEPHONE:	TELEPHONE NO.	(800) 422-4133
CATV:	TELEPHONE NO.	(760) 312-6512
SEWER AGENCY	TELEPHONE NO.	(760) 482-2440
WATER AGENCY	TELEPHONE NO.	(760) 482-2440
TIME WARNER COMM.	TELEPHONE NO.	(760) 337-4818

6. ~~A SOILS REPORT MAY BE REQUIRED PRIOR TO THE ISSUANCE OF A BUILDING PERMIT AND/OR GRADING PLAN APPROVAL.~~
7. ~~APPROVAL OF THESE PLANS BY THE DIRECTOR OF PUBLIC WORKS DOES NOT AUTHORIZE ANY WORK OR GRADING TO BE PERFORMED UNTIL THE PROPERTY OWNER'S PERMISSION HAS BEEN OBTAINED AND VALID GRADING PERMIT HAS BEEN ISSUED BY THE COUNTY PLANNING DEPARTMENT.~~
8. ~~THE DIRECTOR OF PUBLIC WORKS' APPROVAL OF THESE PLANS DOES NOT CONSTITUTE COUNTY BUILDING OFFICIAL APPROVAL OF ANY FOUNDATION FOR STRUCTURES TO BE PLACED ON THE ITEMS COVERED BY THESE PLANS, INCLUDING ANY ONSITE OR PERIMETER SCREEN OR RETAINING WALLS.~~
9. ALL MAJOR SLOPES SHALL BE ROUNDED INTO EXISTING TERRAIN TO PRODUCE A CONTOURED TRANSITION FROM CUT OR FILL FACES TO NATURAL GROUND AND ABUTTING CUT OR FILL SURFACES.
10. NOTWITHSTANDING THE MINIMUM STANDARDS SET FORTH IN THE GRADING ORDINANCE AND NOTWITHSTANDING THE APPROVAL OF THESE GRADING PLANS, THE PERMITTEE IS RESPONSIBLE FOR THE PREVENTION OF DAMAGE TO ADJACENT PROPERTY. NO PERSON SHALL EXCAVATE ON LAND SO CLOSE TO THE PROPERTY LINE AS TO ENDANGER ANY SUCH PROPERTY FROM SETTLING, CRACKING, EROSION, SILTING, SCOUR OR OTHER DAMAGE, WHICH MIGHT RESULT FROM THE GRADING DESCRIBED ON THE PLAN. THE COUNTY WILL HOLD THE PERMITTEE RESPONSIBLE FOR CORRECTION OF NON-DEDICATED IMPROVEMENTS WHICH DAMAGE ADJACENT PROPERTY.
11. SPECIAL CONDITION: IF ANY ARCHEOLOGICAL RESOURCES ARE DISCOVERED ON THE SITE OF THIS GRADING OPERATION, SUCH OPERATION WILL CEASE IMMEDIATELY AND THE PERMITTEE WILL NOTIFY THE DIRECTOR OF THE PLANNING DEPARTMENT AND THE DISCOVERY. GRADING OPERATION WILL NOT RECOMMENCE UNTIL THE PERMITTEE HAS RECEIVED WRITTEN AUTHORITY FROM THE DIRECTOR OF PLANNING TO DO SO.
12. ~~THE CONSTRUCTION OF ONE PCC STANDARD DRIVEWAY PER LOT. LOCATION TO BE DETERMINED IN THE FIELD BY ENGINEER OF WORK AND APPROVED BY COUNTY PUBLIC WORKS INSPECTOR. PCC SURFACING OF DRIVEWAY TO EXTEND FROM CURB TO PROPERTY LINE.~~
13. ALL GRADING SHALL CONFORM TO THE UNIFORM BUILDING CODE APPENDIX CHAP. 33, AS AMENDED BY TITLE 9 LAND USE ORDINANCE.
14. ALL PROPERTY CORNERS SHALL BE CLEARLY DELINEATED IN THE FIELD PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION AND/OR GRADING.
15. DURING ROUGH GRADING OPERATIONS AND PRIOR TO THE CONSTRUCTION OF ANY PERMANENT DRAINAGE STRUCTURES, TEMPORARY DRAINAGE CONTROL SHALL BE PROVIDED TO PREVENT PONDING WATER AND DAMAGE TO CONTIGUOUS PROPERTIES.
16. DUST SHALL BE CONTROLLED IN ACCORDANCE WITH THE APPROVED PM10 PLAN. APPROVAL SHALL BE BY IMPERIAL COUNTY AIR POLLUTION CONTROL DISTRICT.
17. NO FILL SHALL BE PLACED ON EXISTING GROUND UNTIL THE EXISTING GROUND HAS BEEN CLEARED OF WEEDS, DEBRIS, TOPSOIL AND OTHER DELETERIOUS MATERIAL.
18. THE MAXIMUM ALLOWABLE CUT AND FILL SLOPES ARE 2:1, UNLESS A SLOPE STABILITY ANALYSIS AUTHORIZES A STEEPER SLOPE AND HAS BEEN APPROVED.
19. A 5' WIDE BY 1' HIGH BERM, OR EQUIVALENT, SHALL BE CONSTRUCTED ALONG THE TOP OF ALL FILL SLOPES OVER 5' IN VERTICAL HEIGHT. ALL SLOPES LESS THAN OR EQUAL TO 5' SHALL HAVE A BERM TO PREVENT DRAINAGE FROM ERODING SAME.
20. A BROW DITCH DESIGNED TO HANDLE THE FLOWS (Q) FROM A 100-YR. STORM EVENT SHALL BE CONSTRUCTED ALONG THE TOP OF ALL CUT SLOPES.
21. NO OBSTRUCTION OF FLOOD PLAINS OR NATURAL WATER COURSES WILL BE PERMITTED.
22. ALL EXISTING DRAINAGE COURSES ON THE PROJECT SITE MUST CONTINUE TO FUNCTION DURING STORM CONDITIONS. PROTECTIVE MEASURES AND TEMPORARY DRAINAGE PROVISIONS MUST BE USED TO PROTECT CONTIGUOUS PROPERTIES DURING GRADING OPERATIONS.
23. ~~THE FINISHED GRADE SHALL BE SLOPED AWAY FROM ALL EXTERIOR BUILDING WALLS AT NOT LESS THAN 4% (1/2" PER FOOT) FOR A MINIMUM OF 3 FEET, UNLESS A SOIL REPORT PROVIDES ALTERNATE RECOMMENDATIONS.~~
24. A SUITABLY QUALIFIED AND REGISTERED PROFESSIONAL SHALL SUBMIT A WRITTEN CERTIFICATION TO THE PUBLIC WORKS DEPARTMENT THAT THE FINAL GRADING HAS BEEN COMPLETED IN ACCORDANCE WITH THE APPROVED PLANS FOR ALL GRADING DESIGNATED AS "ENGINEERED GRADING". AS-BUILT PLANS SHALL BE PROVIDED PRIOR TO FINAL ACCEPTANCE.
25. ~~THE CONTRACTOR SHALL NOTIFY THE PUBLIC WORKS DEPARTMENT AT LEAST 48 HOURS IN ADVANCE OF REQUESTING A FINISH LOT GRADE AND DRAINAGE INSPECTION. THIS INSPECTION MUST BE APPROVED PRIOR TO THE BUILDING PERMIT FINAL INSPECTION BY PUBLIC WORKS FOR EACH LOT.~~
26. THE CONTRACTOR SHALL NOTIFY "UNDERGROUND SERVICE ALERT" AT 811 A MINIMUM OF TWO DAYS PRIOR TO THE COMMENCEMENT OF ANY DIGGING OR EXCAVATION.

AREA VICINITY MAP



SITE VICINITY MAP



DECLARATION OF RESPONSIBLE CHARGE

I HEREBY DECLARE THAT I AM THE ENGINEER OF THE WORK OF THIS PROJECT. THAT I HAVE EXERISED REPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION OF 6703 OF THE BUSINESS AND PROFESSIONS CODE AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

I UNDERSTAND THAT THE CHECK OF THE PROJECT DRAWINGS AND SPECIFICATIONS BY THE COUNTY OF IMPERIAL IS CONFINED TO REVIEW ONLY AND DOES NOT RELIEVE ME AS ENGINEER OF WORK, OF MY REPONSIBILITY FOR PROJECT DESIGN.

JESUS R. MARMOLEJO
THE HOLT GROUP, INC.
1601 N. IMPERIAL AVENUE
(760) 337-3883

JESUS R. MARMOLEJO, P.E. DATE
R.C.E. NO. 80410

BOARD OF DIRECTORS

POMPEYO TABAREZ, JR.	PRESIDENT
MOISES CARDENAS	VICE-PRESIDENT
MARTIN NOLASCO, JR.	DIRECTOR
TONY SANDOVAL	DIRECTOR
KAINE GARCIA	DIRECTOR

HPUD STAFF

LAURA FISCHER	GENERAL MANAGER
RAQUEL CARRILLO	CLERK OF THE BOARD
GRACIELA LOPEZ	FINANCE MANAGER
FRANCISCO RODRIGUEZ	LEAD OPERATOR
STEVE WALKER	HPUD ATTORNEY

SHEET INDEX

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COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT APPROVED FOR CONSTRUCTION BY:

DATE

BY:
JOHN A. GAY
DIRECTOR OF PUBLIC WORKS
COUNTY OF IMPERIAL

REGISTERED PROFESSIONAL ENGINEER JOHN A. GAY No. 62028 Exp. 9-30-19 CIVIL STATE OF CALIFORNIA

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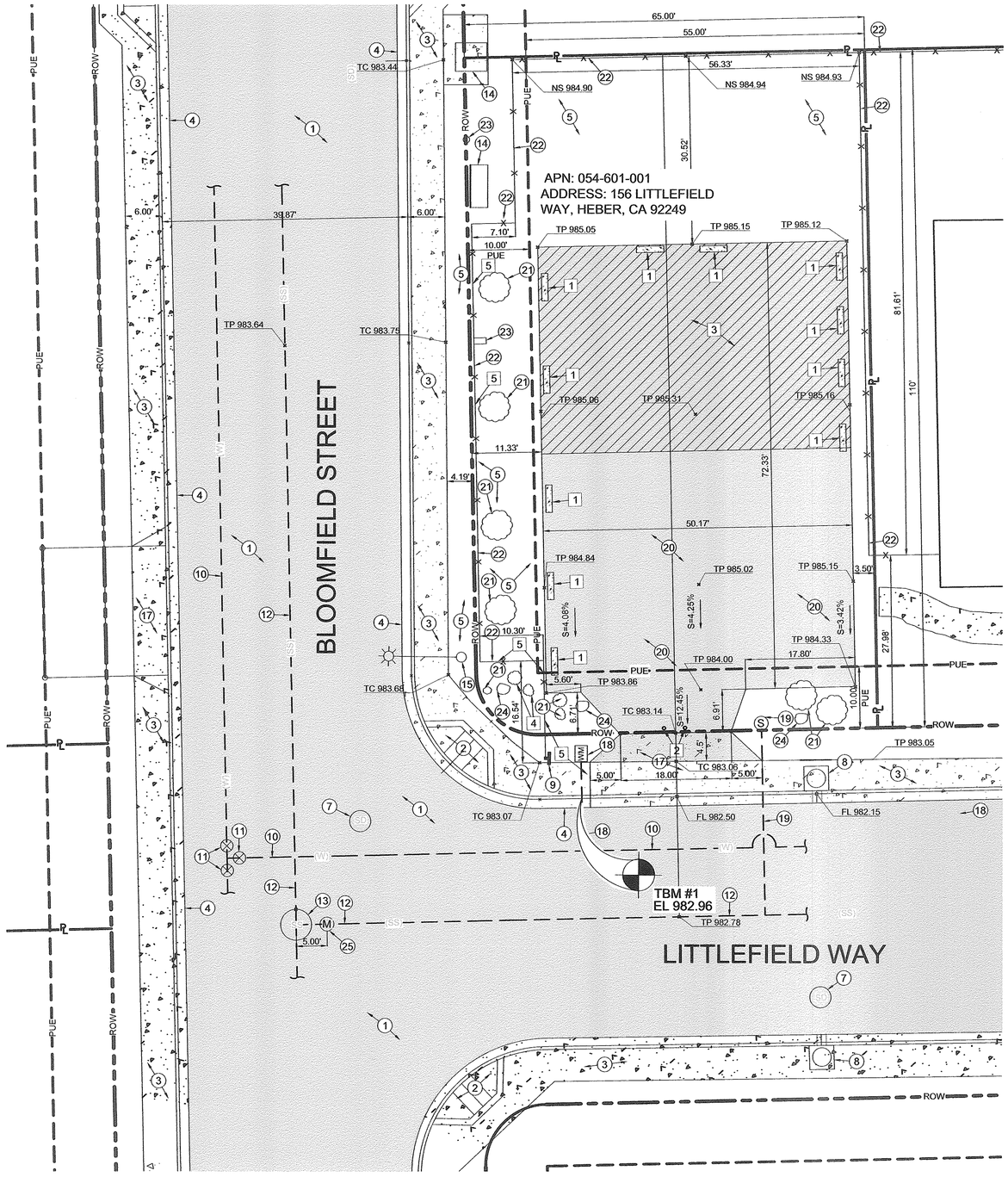
PREPARED UNDER THE DIRECT SUPERVISION OF:
JESUS R. MARMOLEJO, P.E.
80410 R.C.E. No.
08/13/2019 DATE
03/31/2021 REG. EXP.

REGISTERED PROFESSIONAL ENGINEER JESUS R. MARMOLEJO No. 80410 Exp. 03-31-21 CIVIL STATE OF CALIFORNIA

PROJECT TITLE: HEBER PUBLIC UTILITY DISTRICT-
LITTLEFIELD WAY AND BLOOMFIELD STREET
RECREATION CENTER PROJECT
PROJECT NUMBER: 744.077
SHEET CONTENT: TITLE SHEET

DESIGNED BY: JM
DRAWN BY: DB, AD
CHECKED BY: JM

SHEET No. 1 OF 12 SHEETS



EXISTING SITE PLAN/ DEMOLITION SITE PLAN

ABBREVIATIONS

%	PERCENT	MG	MILLION GALLON
A.C.	ASPHALT CONCRETE	MGD	MILLION GALLONS PER DAY
A.C.P	ASBESTOS CEMENT PIPE	M.H.	MANHOLE
AC-FT	ACRE FEET	MIN.	MINIMUM
AGG.	AGGREGATE	MISC.	MISCELLANEOUS
AOS	APPARENT OPENING SIZE	M.J.	MECHANICAL JOINT
APCD	AIR POLLUTION CONTROL DISTRICT	MPH	MILES PER HOUR
APP	APPROXIMATE	NO.	NUMBER
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	N.S.	NATIVE SURFACE
AVE	AVERAGE	N.T.S.	NOT TO SCALE
AWWA	AMERICAN WATER WORKS ASSOCIATION	O.C.	ON CENTER
BC	BEGINNING OF CURVE	O.D.	OUTSIDE DIAMETER
BLDG.	BUILDING	OHC	OVERHEAD CABLE
BM	BENCHMARK	OHE	OVERHEAD ELECTRICAL LINE
BMP	BEST MANAGEMENT PRACTICES	OHT	OVERHEAD TELEPHONE LINE
BTM	BOTTOM	OSHA	OCCUPATIONAL SAFETY AND HEALTH ACT
B.V.	BUTTERFLY VALVE	OS&Y	OUTSIDE STEM AND YORK
C2B	CLASS 2 BASE	P.C.C.	PORTLAND CONCRETE CEMENT
CC	CUBIC CENTIMETER	P.D.	PLAIN END
C.I.	CAST IRON	℄	PROPERTY LINE
CIRC	CIRCUMFERENTIAL		
℄	CENTERLINE	P.P.	POWER POLE
		PP#	POWER POLE NUMBER
CLR	CLEAR	PPM	PARTS PER MILLION
C.M.P.	CEMENT MORTAR COATED	PSI	POUNDS PER SQUARE INCH
C.M.L.	CEMENT MORTAR LINED	PT	PRESSURE TRANSMITTER
CPVC	CHLORINATED POLYVINYL CHLORIDE	PVC	POLYVINYL CHLORIDE
D.I.	DUCTILE IRON	P/S	PRESTRESSING
DIA	DIAMETER	R.C.	REINFORCED CONCRETE
DWG	DRAWING	ROW	RIGHT-OF-WAY
D/W	DRIVEWAY	S.	SLOPE
Δ	DELTA	SCH	SCHEDULE
EC	END OF CURVE	SCHED	SCHEDULE
ECP	EROSION CONTROL PLAN	SD	STORM DRAIN
EF	EACH FACE	SD/M	STORM DRAIN FORCE MAIN
EL	ELEVATION	SDR	STANDARD DIMENSION RATIO
E.P.	EDGE OF PAVEMENT	SM	STATIC MIXER
EPDM	ETHYLENE PROPYLENE DIENE M-CLASS	SQ	SQUARE
EW	EACH WAY	SS	SANITARY SEWER
FF	FINISH FLOOR ELEVATION	SST	STAINLESS STEEL
FG	FINISHED GRADE	STA	STATION
⅊	FLOWLINE	S/W	SIDEWALK
		SWPPP	STORMWATER POLLUTION PREVENTION PLAN
FL.	FLANGED	TBD	TO BE DETERMINED
F.M.	FLOW METER	TBM	TEMPORARY BENCHMARK
F.M.	FORCE MAIN	T.C.	TOP OF CURB OR TOP OF CONCRETE
FS	FINISH SURFACE	TDH	TOTAL DYNAMIC HEAD
GALV	GALVANIZED	TF	TOP OF FOOTING
GPH	GALLONS PER HOUR	TMH	TOP OF MANHOLE
GPM	GALLONS PER MINUTE	TOE	TOE OF SLOPE
GW	GROUND WATER	TOF	TOP OF FLOOR
H.B.	HOSE BIB	TOW	TOP OF WALL
HDPE	HIGH DENSITY POLYETHYLENE	T.P.	TOP OF PAVEMENT
HP	HORSEPOWER	TV	TELEVISION
HPUD	HEBER PUBLIC UTILITY DISTRICT	TYP.	TYPICAL
HW	HIGH WATER	UE	UNDERGROUND ELECTRICITY
I.D.	INSIDE DIAMETER	UNO	UNLESS NOTED OTHERWISE
INV. EL.	INVERT ELEVATION	UT	UNDERGROUND TELEPHONE
INV.	INVERT	VERT	VERTICAL
IPS	IRON PIPE SIZE	WTP	WATER TREATMENT PLANT
L	LENGTH	WWTP	WASTEWATER TREATMENT PLANT
LBS	POUNDS		
MAX.	MAXIMUM		

EXISTING KEYNOTES

1. EXISTING A.C. PAVEMENT TO REMAIN.
2. EXISTING P.C.C. CURB RAMP TO REMAIN.
3. EXISTING P.C.C. SIDEWALK TO REMAIN.
4. EXISTING P.C.C. CURB AND GUTTER TO REMAIN.
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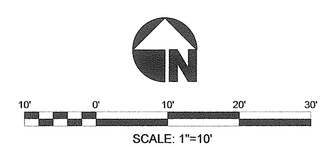
20. EXISTING A.C. PARKING LOT TO REMAIN.
21. EXISTING TREES/BUSHES TO REMAIN.
22. EXISTING WOODEN PANEL FENCE TO REMAIN.
23. EXISTING IRRIGATION VALVE TO REMAIN.
24. EXISTING LANDSCAPING ROCK TO REMAIN.
25. EXISTING MONUMENT WELL TO REMAIN.

DEMOLITION KEYNOTES

1. TEMPORARILY REMOVE CONCRETE PARKING STOPS. REPLACE PARKING STOPS PER GRADING AND UTILITY PLAN ON PLAN SHEET 3.
2. REMOVE PIPE BOLLARD.
3. EXISTING A.C. PARKING LOT TO BE REMOVED.
4. EXISTING TREES/BUSHES TO BE REMOVED.
5. EXISTING FENCING TO BE REMOVED.

BENCHMARK LEGEND		
BM No.	DESCRIPTIONS	ELEVATION
TBM #1	"W" CHISELED INTO TOP OF CURB IN FRONT OF WATER METER AT PROJECT SITE.	982.96



SCALE: 1"=10'

DIGALERT DigSafely
DIAL TOLL FREE
811
AT LEAST TWO DAYS BEFORE YOU DIG
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

No.	REVISION	APPROVED	DATE

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DESIGNED BY: JM	DRAWN BY: DB, AD
SCALE: PER PLAN	CHECKED BY: JM
BENCH MARK No.	ELEV.:
BENCHMARK	

PREPARED UNDER THE DIRECT SUPERVISION OF:

JESUS R. MARMOLEJO, P.E. — 80410 R.C.E. No.

09/13/2019 DATE — 03-31-21 REG. EXP.

REGISTERED PROFESSIONAL ENGINEER JESUS R. MARMOLEJO No. 80410 Exp. 03-31-21 CIVIL STATE OF CALIFORNIA

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FAX : (760) 337-5997
201 E. HOBSONWAY
BLYTHE, CA 92225
PHONE : (760) 922-4658
FAX : (760) 922-4660

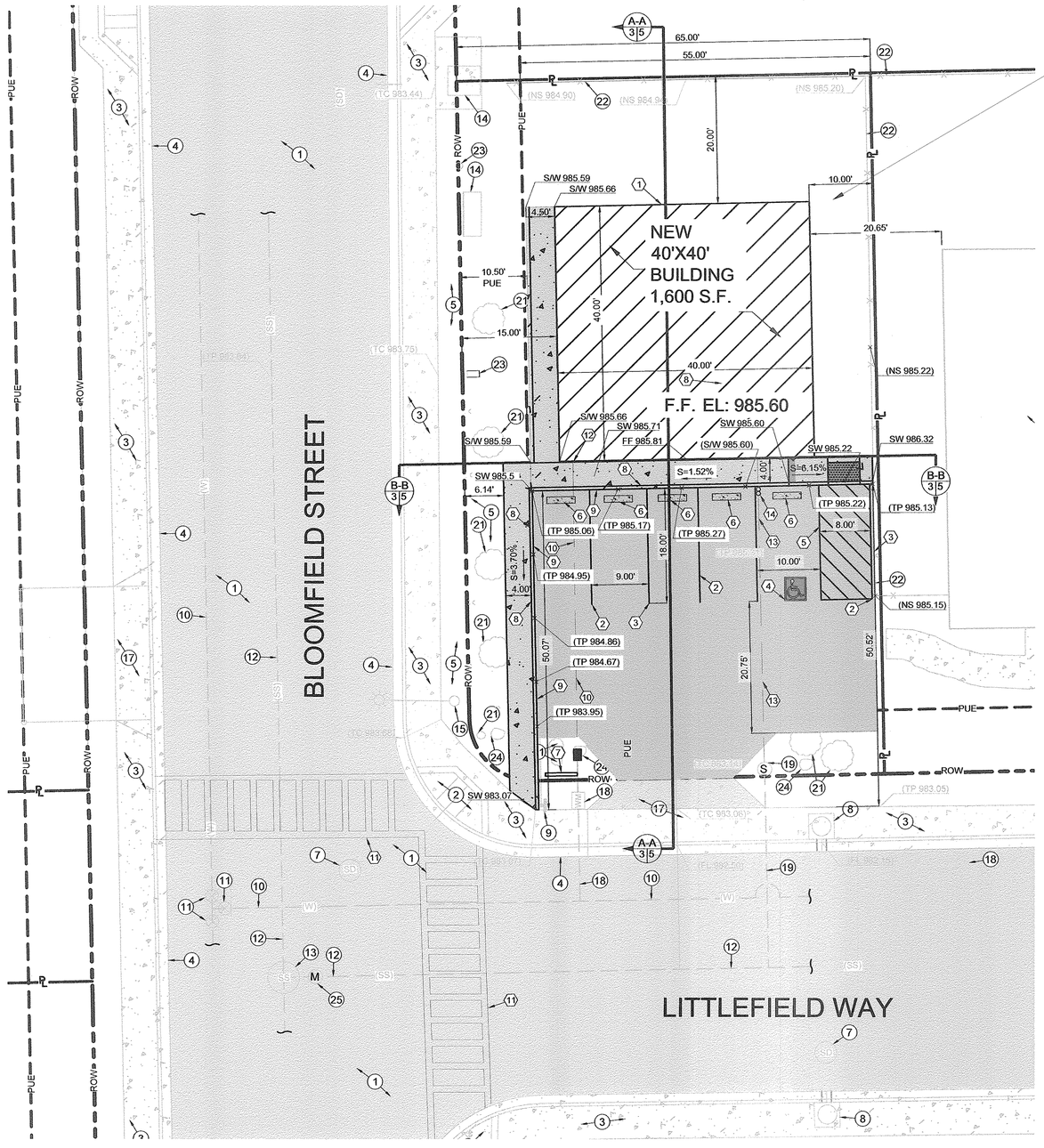
PROJECT TITLE : HEBER PUBLIC UTILITY DISTRICT RECREATION CENTER PROJECT

PROJECT NUMBER : 744.077

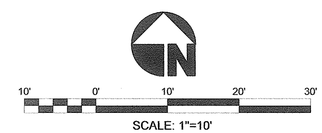
SHEET CONTENT : EXISTING SITE PLAN/ DEMOLITION SITE PLAN

SHEET NO. 2 OF 12 SHEETS

Q:\El Centro\744.077\CAD\02 - EXISTING SITE PLAN.dwg 09/17/2019 17:05



RECREATION CENTER GRADING AND UTILITY PLAN



SCALE: 1"=10'

EXISTING KEYNOTES

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2. EXISTING P.C.C. CURB RAMP TO REMAIN.
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22. EXISTING WOODEN PANEL FENCE TO REMAIN.
23. EXISTING IRRIGATION VALVE TO REMAIN.

CONSTRUCTION KEYNOTES

1. INSTALL 40'X40' BUILDING AND FOUNDATION PER PLAN SHEET 7.
2. INSTALL 4-INCH WHITE PARKING LINE FOR PARKING SPACE AS ILLUSTRATED ON PLANS.
3. INSTALL 4-INCH BLUE PARKING LINE FOR HANDICAP PARKING SPACE AS ILLUSTRATED ON PLANS.
4. INSTALL HANDICAP SYMBOL WITH BOX PER CALTRANS STANDARD A24C.
5. INSTALL HANDICAP LOADING ZONE AS ILLUSTRATED ON PLANS.
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9. INSTALL NEW 6-INCH P.C.C. BARRIER CURB.
10. INSTALL NEW PVC WATER PIPELINE.
11. INSTALL LADDER STRIPING CROSSWALK PER DETAIL D ON SHEET 6.
12. DOMESTIC WATERLINE POINT OF ENTRY.
13. INSTALL 4-INCH SDR 35 PVC SANITARY SEWER PIPELINE LATERAL PER DETAIL A AND DETAIL B ON SHEET 6.
14. INSTALL DOUBLE SANITARY SEWER CLEAN OUT 3 TO 6 FEET FROM NEW BUILDING PER DETAIL C ON SHEET 6.

No.	REVISION	APPROVED	DATE

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SCALE: PER PLAN	CHECKED BY: JM
BENCH MARK No.	ELEV.:
BENCHMARK	

PREPARED UNDER THE DIRECT SUPERVISION OF:

JESUS R. MARMOLEJO, P.E. — 80410 R.C.E. No.

09/13/2019 DATE — 03-31-21 REG. EXP.

REGISTERED PROFESSIONAL ENGINEER JESUS R. MARMOLEJO No. 80410 Exp. 03-31-21 CIVIL STATE OF CALIFORNIA

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PHONE : (760) 922-4658
FAX : (760) 922-4660

PROJECT TITLE : HEBER PUBLIC UTILITY DISTRICT RECREATION CENTER PROJECT

PROJECT NUMBER : 744.077

SHEET CONTENT : GRADING AND UTILITY PLAN

SHEET NO. 3 OF 12 SHEETS

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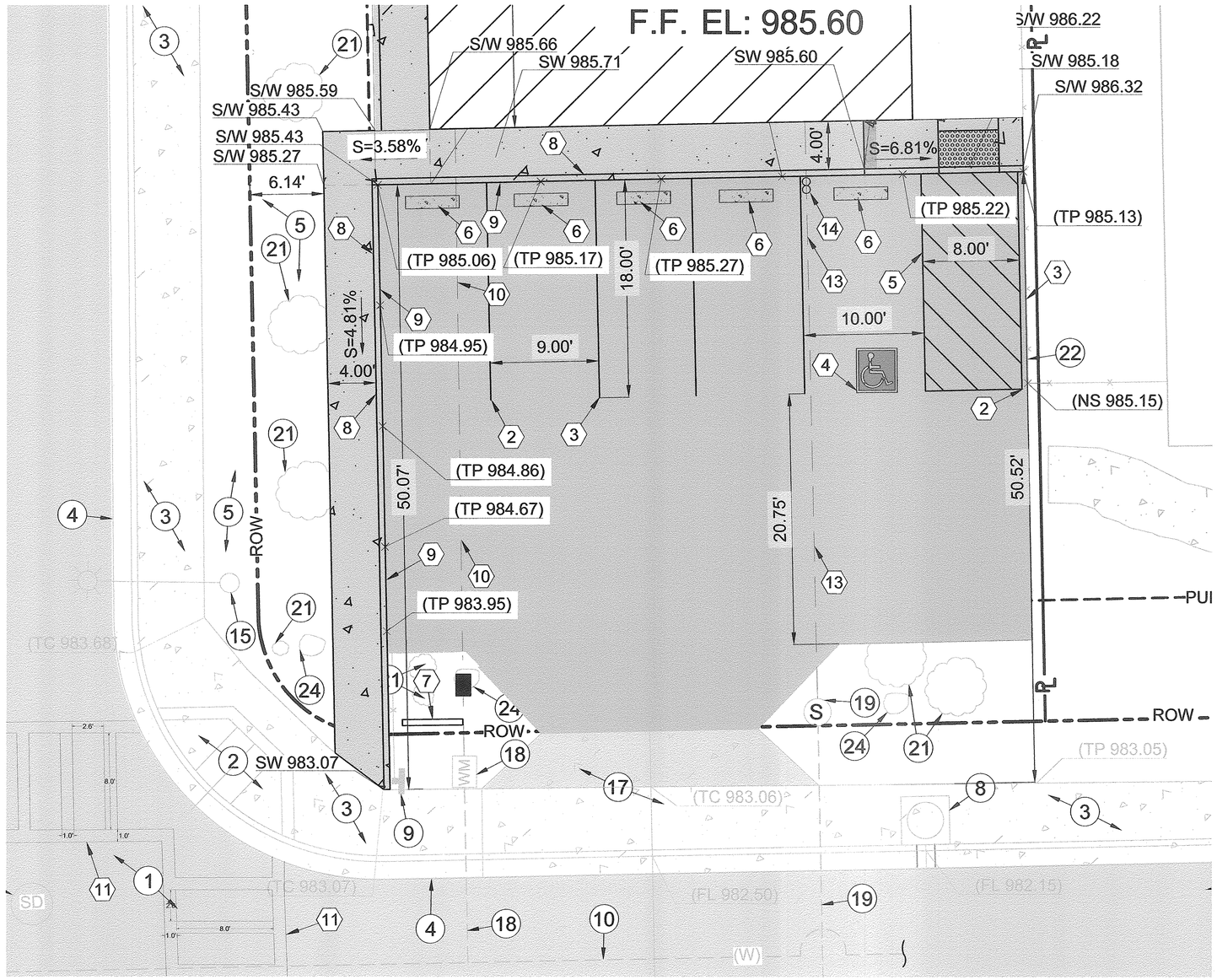

DRIVEWAY BLOWUP PLAN

EXISTING KEYNOTES

1. EXISTING A.C. PAVEMENT TO REMAIN.
2. EXISTING P.C.C. CURB RAMP TO REMAIN.
3. EXISTING P.C.C. SIDEWALK TO REMAIN.
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22. EXISTING WOODEN PANEL FENCE TO REMAIN.
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CONSTRUCTION KEYNOTES

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9. INSTALL NEW 6-INCH P.C.C. BARRIER CURB.
10. INSTALL NEW PVC WATER PIPELINE.
11. INSTALL LADDER STRIPING CROSSWALK PER DETAIL D ON SHEET 6.
12. DOMESTIC WATERLINE POINT OF ENTRY.
13. INSTALL 4-INCH SDR 35 PVC SANITARY SEWER PIPELINE LATERAL PER DETAIL A AND DETAIL B ON SHEET 6.
14. INSTALL DOUBLE SANITARY SEWER CLEAN OUT 3 TO 6 FEET FROM NEW BUILDING PER DETAIL C ON SHEET 6.

5' 0' 5' 10' 20'

SCALE: 1"=5'

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No.	REVISION	APPROVED	DATE

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SCALE: PER PLAN	CHECKED BY: JM
BENCH MARK No.	ELEV.:
BENCHMARK	

PREPARED UNDER THE DIRECT SUPERVISION OF:

JESUS R. MARMOLEJO, P.E.

09/13/2019
DATE

80410
R.C.E. No.

03-31-21
REG. EXP.

REGISTERED PROFESSIONAL ENGINEER JESUS R. MARMOLEJO No. 80410 Exp. 03-31-21 CIVIL STATE OF CALIFORNIA

The Holt Group, Inc.

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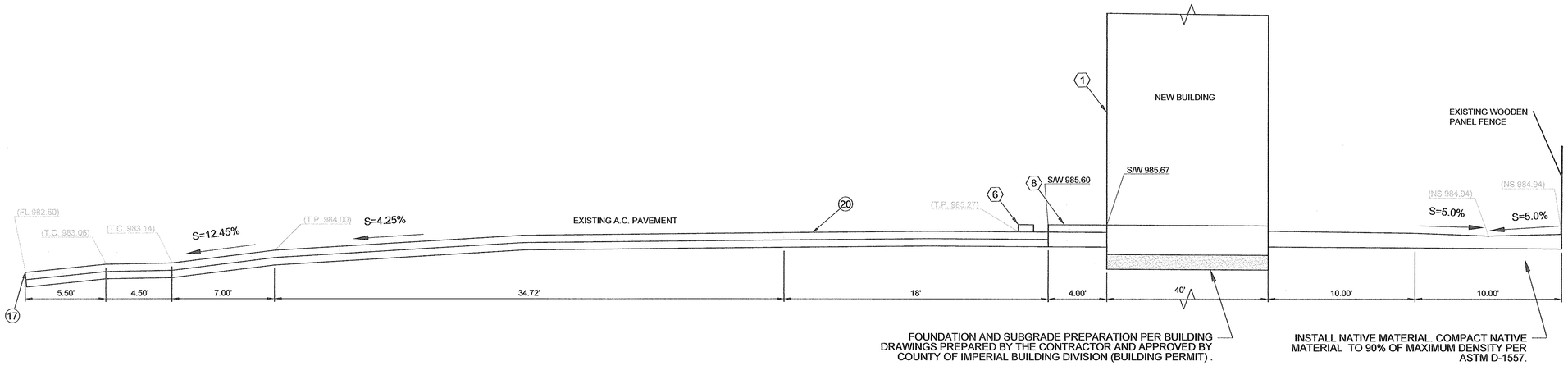
FAX : (760) 922-4660

PROJECT TITLE : HEBER PUBLIC UTILITY DISTRICT RECREATION CENTER PROJECT

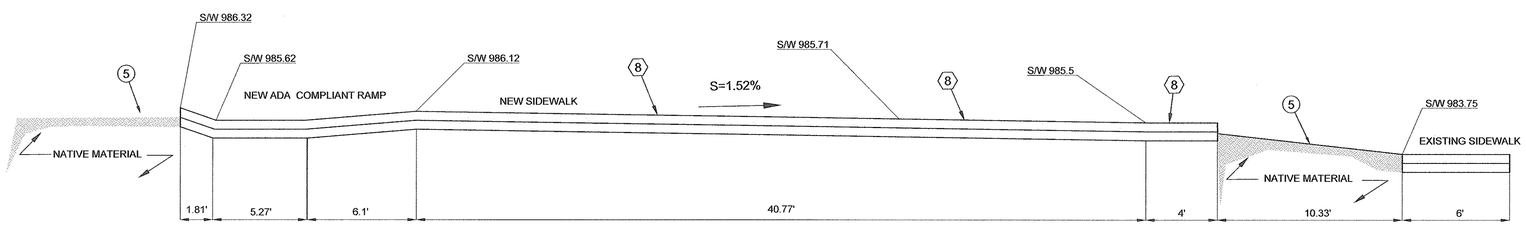
PROJECT NUMBER : 744.077

SHEET CONTENT : DRIVEWAY BLOWUP PLAN

SHEET NO. 4 OF 12 SHEETS



NORTH SOUTH SECTION — A-A 3 | 5
SCALE: 1"=4'



EAST WEST SECTION — B-B 3 | 5
SCALE: 1"=4'

EXISTING KEYNOTES

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CONSTRUCTION KEYNOTES

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14. INSTALL DOUBLE SANITARY SEWER CLEAN OUT 3 TO 6 FEET FROM NEW BUILDING PER DETAIL C ON SHEET 6.

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No.	REVISION	APPROVED	DATE

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SCALE: PER PLAN	CHECKED BY: JM
BENCH MARK No.	ELEV.:
BENCHMARK	

PREPARED UNDER THE DIRECT SUPERVISION OF:

JESUS R. MARMOLEJO, P.E. — 80410 R.C.E. No.

09/13/2019 DATE — 03-31-21 REG. EXP.

REGISTERED PROFESSIONAL ENGINEER — JESUS R. MARMOLEJO — No. 80410 — Exp. 03-31-21 — CIVIL — STATE OF CALIFORNIA

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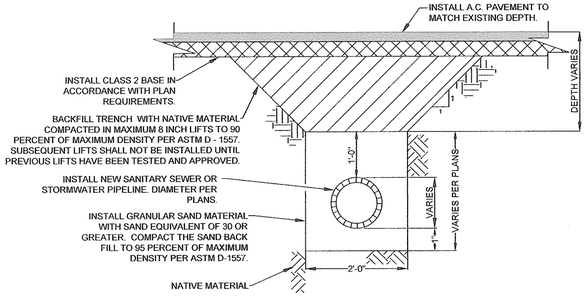
PROJECT TITLE : HEBER PUBLIC UTILITY DISTRICT RECREATION CENTER PROJECT

PROJECT NUMBER : 744.077

SHEET CONTENT : SECTIONS AND DETAILS

SHEET NO. 5 OF 12 SHEETS



NOTES:

1. WHERE THE TRENCH DEPTH EXCEEDS 3', THE PIPELINE CONTRACTOR SHALL UTILIZE ANY OF THE FOLLOWING METHODS FOR EXCAVATION AND TRENCH STABILIZATION. THE METHOD OF EXCAVATION AND TRENCH STABILIZATION SHALL BE APPROVED BY CAL OSHA.

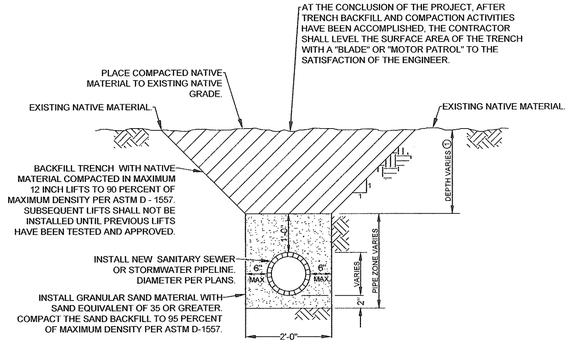
   A) SHORING AS APPROVED BY THE ENGINEER.
   B) SLOPING BOTH TRENCH SIDES AT A 1:1 MAXIMUM ABOVE THE BOTTOM 3 FEET.
   C) "STEPPING OR BENCHING" BOTH TRENCH SIDES AT 3 FOOT VERTICAL INCREMENTS, THE WIDTH OF EACH BENCH SHALL BE THE SAME AS THE BOTTOM 3 FEET.
   D) USE OF A STEEL SHIELD.
   E) USE OF TRENCH JACKS.

2. WHEN THE PIPE TRENCH IS UNSTABLE DUE TO GROUND WATER INFILTRATION PLACE 1 FOOT OF 3/4-INCH DIAMETER ROUND ROCK BENEATH THE SANITARY SEWER OR STORMWATER PIPELINE.

SANITARY SEWER AND STORMWATER PIPELINE TRENCH IN PAVED AREAS - DETAIL

HEBER PUBLIC UTILITY DISTRICT DWG NO. SS101 NTS

A 3 | 6



NOTES:

1. TRENCH DEPTH VARIES.
2. WHERE THE PERMIT OF A GOVERNING AGENCY SETS FORTH REQUIREMENTS MORE STRINGENT THAN THOSE STATED HEREIN, THE CONTRACTOR SHALL ADHERE TO THE AGENCY REQUIREMENTS.
3. WHERE THE TRENCH DEPTH EXCEEDS 3', THE PIPELINE CONTRACTOR SHALL UTILIZE ANY OF THE FOLLOWING METHODS FOR EXCAVATION AND TRENCH STABILIZATION. THE METHOD OF EXCAVATION AND TRENCH STABILIZATION SHALL BE APPROVED BY CAL OSHA.

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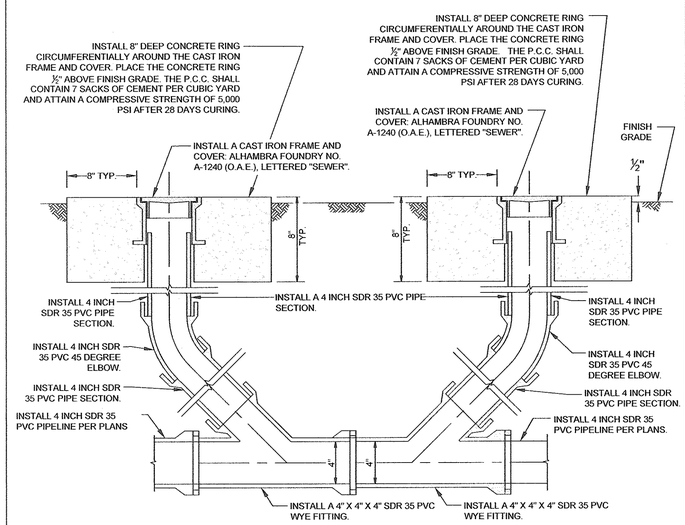
   D) USE OF A STEEL SHIELD.
   E) USE OF TRENCH JACKS.

SANITARY SEWER AND STORMWATER PIPELINE TRENCH IN UNPAVED AREAS - DETAIL

HEBER PUBLIC UTILITY DISTRICT DWG NO. SS102 NTS

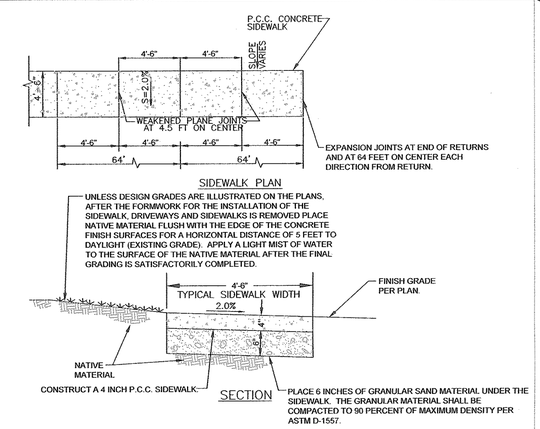
B 3 | 6



SANITARY SEWER DOUBLE CLEANOUT DETAIL

NTS

C 3 | 6



NOTES FOR SIDEWALK

1 PLACE WEAKENED PLANE JOINT EVERY 9 LINEAL FEET ALONG THE SIDEWALK FOR SIDEWALK WIDTHS GREATER THAN 4.5 FEET WIDE WEAKENED PLANE JOINT AND EXPANSION JOINT SHALL CONFORM TO TABLE "A" ABOVE.

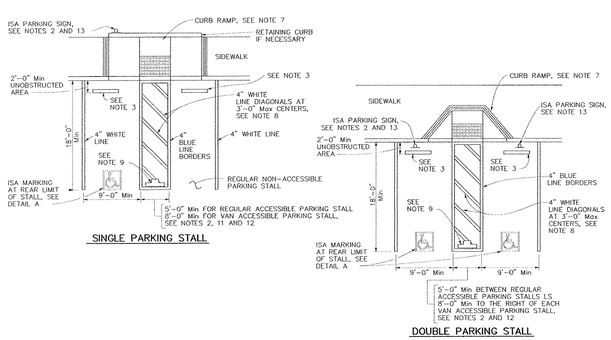
2 PLACE EXPANSION JOINT ALONG SIDEWALK EVERY 64 FEET. EXPANSION JOINT MATERIAL TO BE COMPOSED OF 1/2" FIBER BOARD INSTALLED ACROSS FULL SECTION OF SIDEWALK.

3 THE SIDEWALK SURFACE SHALL RECEIVE A DOUBLE TROWEL FINISH.

SIDEWALK DETAIL

NTS

D 3 | 6



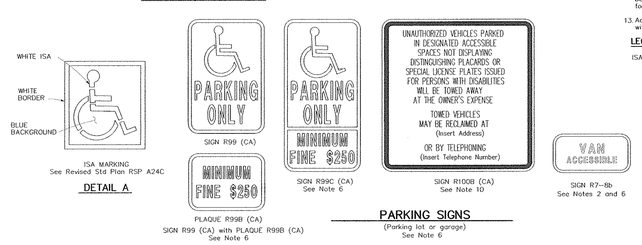
NOTES:

1. Accessible parking spaces serving a particular building shall be located on the shortest accessible route of travel from adjacent parking to an accessible entrance. In parking facilities that do not serve a particular building, accessible parking shall be located on the shortest accessible route of travel to an accessible pedestrian entrance of the parking facility.
2. One in every six accessible off-street parking stalls, but not less than one, shall be served by an accessible aisle of 8'-0" minimum width and shall be signed van accessible. The R7-8b sign shall be mounted below the R99B (CA) plaque or the R99C (CA) sign.
3. In each parking stall, a curb or parking bumper shall be provided if required to prevent encroachment of vehicles over the required width of walkways. Parking stalls shall be so located that persons with disabilities are not compelled to wheel or walk behind parked vehicles other than their own. For more parking bumper requirements, see the Special Provisions.
4. Parking spaces and access aisles shall be level with surface slopes not exceeding 1.5% in all directions.
5. Table A shall be used to determine the required number of accessible parking stalls in each parking lot or garage.
6. Where Plaque R99B (CA), Sign R99C (CA) or Sign R7-8b are installed, the bottom of the sign or plaque panel shall be a minimum of 7'-0" above the surrounding surface.
7. Curb ramps shall conform to the details shown on Revised Standard Plan RSP A88A.
8. Blue paint, instead of white may be used for marking accessibility aisles in areas where snow may cause white markings to not be visible.
9. The words "NO PARKING", shall be painted in white letters no less than 1'-0" high and located so that it is visible to traffic enforcement officials. See Revised Standard Plan RSP A90B for details of the "NO PARKING" pavement marking.
10. A R100B (CA) sign shall be posted in a conspicuous place at each entrance to off-street parking facilities or immediately adjacent to and visible from each stall. The sign shall include the address where the towed vehicle may be reclaimed and the telephone number of the local traffic law enforcement agency.
11. Where a single (non-van) accessible parking space is provided, the loading and unloading access aisle shall be on the passenger side of the vehicle as the vehicle is going forward into the parking space.
12. Where a van accessible parking space is provided, the loading and unloading access aisle shall be 8'-0" wide minimum, and shall be on the passenger side of the vehicle as the vehicle is going forward into the parking space.
13. Accessible Parking Only Sign shall be Sign R99C (CA) or Sign R99 (CA) with Plaque R99B (CA).

LEGEND

ISA = International Symbol of Accessibility

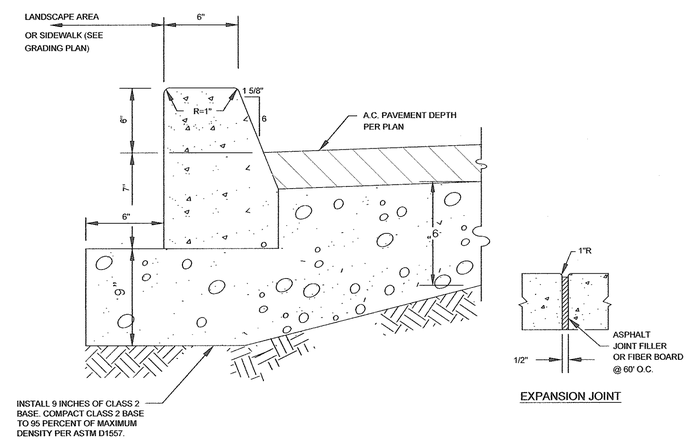
2010 REVISED STANDARD PLAN RSP A90A



HANDICAP ACCESSIBLE PARKING DETAIL

2010 CALTRANS REVISED STANDARD PLAN RSP A90A
NTS

E 3 | 6



NOTES:

1. BARRIER CURB SHALL BE TYPE 5 CONCRETE AND ATTAIN A 28-DAY COMPRESSIVE STRENGTH OF 4,500 PSI.
2. WEAKENED PLANE JOINTS SHALL BE CONSTRUCTED AT A MINIMUM OF 12-FOOT INTERVALS, EXCEPT THAT THE INTERVAL SHALL BE VARIED TO ALLOW MATCHING OF JOINTS OF ADJACENT NEW OR EXISTING IMPROVEMENTS.
3. THE CURB EDGES SHALL BE PLACED TRUE TO LINE AND GRADE. VERTICAL ELEVATIONS SHALL NOT VARY MORE THAN ±0.01' WITH A MAXIMUM VARIANCE OF 0.02' FROM DESIGN GRADE OCCURRING IN ANY GIVEN 100 FEET SECTION. THE HORIZONTAL CURB EDGES SHALL NOT VARY MORE THAN 1/4" INCH IN ANY GIVEN 100 FOOT SECTION.

VARIABLE CURB DETAIL

NTS

F 3 | 6

No.	REVISION	APPROVED	DATE

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SCALE: PER PLAN	CHECKED BY: JM
BENCH MARK No.	ELEV.:
BENCHMARK	

PREPARED UNDER THE DIRECT SUPERVISION OF:

JESUS R. MARMOLEJO, P.E. — 80410 R.C.E. No.

09/13/2019 DATE — 03-31-21 REG. EXP.

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PROJECT TITLE : HEBER PUBLIC UTILITY DISTRICT RECREATION CENTER PROJECT

PROJECT NUMBER : 744.077

SHEET CONTENT : SECTIONS AND DETAILS II

SHEET NO. 6 OF 12 SHEETS

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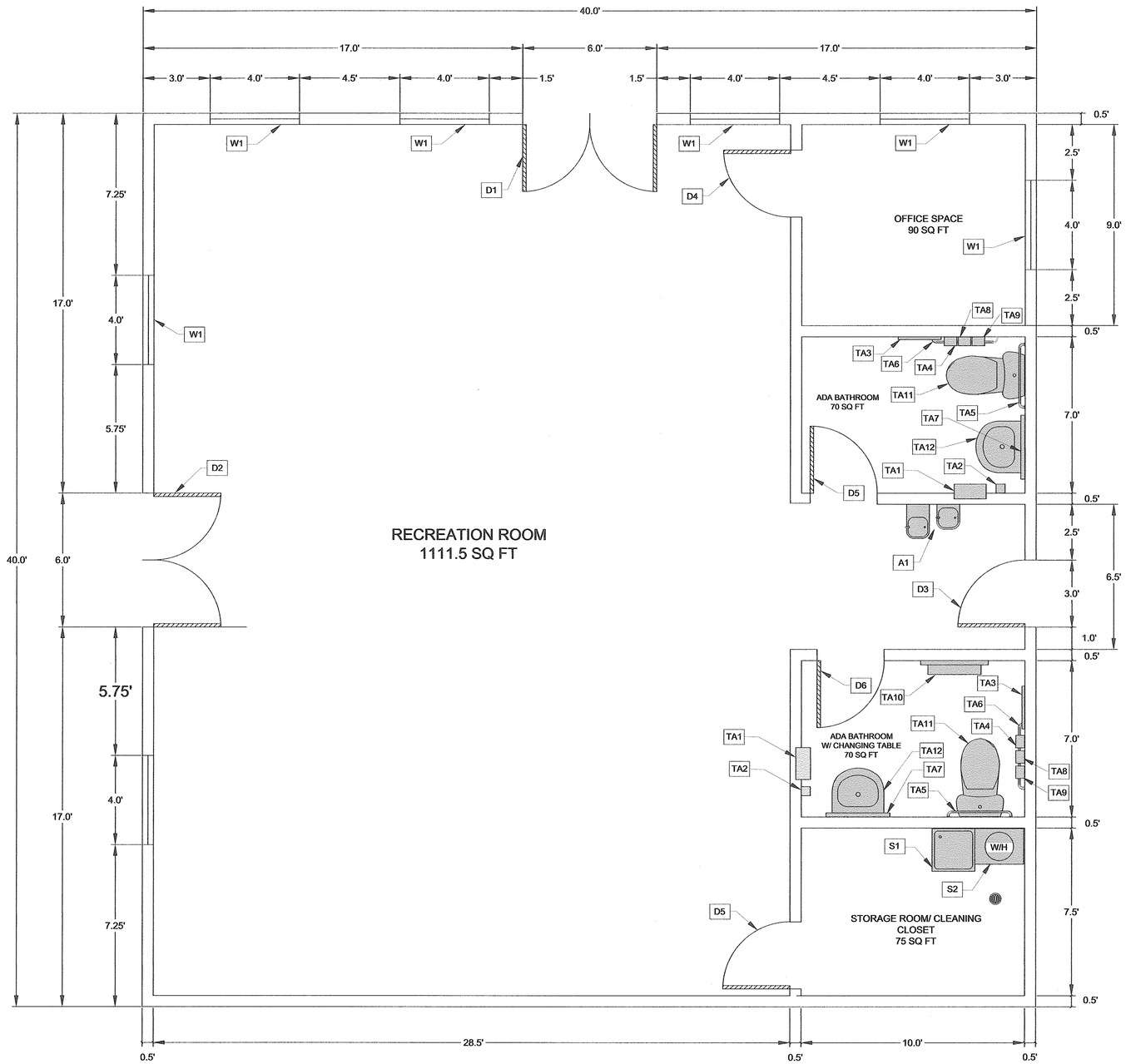

F1 FLOOR PLAN
SCALE: 3/8" = 1'-0"

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No.	REVISION	APPROVED	DATE

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PROJECT TITLE : HEBER PUBLIC UTILITY DISTRICT RECREATION CENTER PROJECT

PROJECT NUMBER : 744.077

SHEET CONTENT : BUILDING FLOOR PLAN

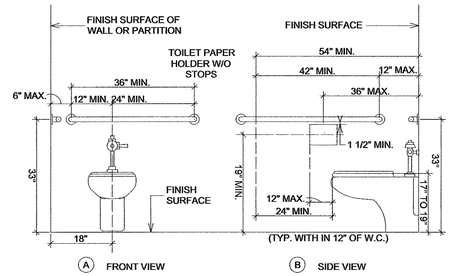
SHEET NO. 7 OF 12 SHEETS

ACCESSORIES SCHEDULE				
KEY NOTE	ITEM	TYPE	MANUFACTURER	MODEL
TA1	COMBINATION PAPER TOWEL DISPENSER & WASTE RECEPTACLE	SEMI-RECESSED	BRADLEY	2252-10
TA2	SOAP DISPENSER	RECESSED	BRADLEY	644
TA3	SEAT COVER DISPENSER	RECESSED	BRADLEY	584
TA4	TOILET PAPER DISPENSER	RECESSED	BRADLEY	5412
TA5	GRAB BAR	SURFACE-MOUNTED	BRADLEY	812-001-36"
TA6	GRAB BAR	SURFACE-MOUNTED	BRADLEY	812-001-42"
TA7	MIRROR (24" x 36")	SURFACE-MOUNTED	BRADLEY	780-2436
TA8	SANITARY DISPENSER	RECESSED	BRADLEY	4A20
TA9	SANITARY DISPOSAL	RECESSED	BRADLEY	4737
TA10	BABY CHANGING STATION	SURFACE-MOUNTED	BRADLEY	963
TA11	WATER CLOSET	FLOOR-MOUNTED		
TA12	LAVATORY	WALL-MOUNTED		
A1	DRINKING FOUNTAIN	WALL-MOUNTED		
SA1	UTILITY SINK	FLOOR-MOUNTED	MUSTEE	28CF
SA2	WATER HEATER	WALL-MOUNTED	RHEEM	ST80(A)

EXTERIOR & INTERIOR DOORS AND WINDOWS		
KEY NOTE	ITEM	DIMENSIONS
D1	DOUBLE HOLLOW METAL DOOR	3'-0" x 7'-0"
D2	DOUBLE HOLLOW METAL DOOR	3'-0" x 7'-0"
D3	SINGLE HOLLOW METAL DOOR	3'-0" x 7'-0"
D4	SOLID WOOD CORE DOOR	3'-0" x 7'-0"
D5	SOLID WOOD CORE DOOR	3'-0" x 7'-0"
W1	WINDOWS	3'-6" x 4'-0"

PROVIDE PRODUCTS AS SPECIFIED ABOVE OR OWNER APPROVED EQUAL

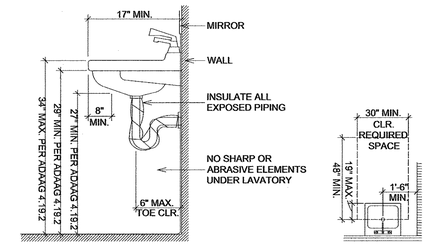
TA TOILET ACCESSORIES SCHEDULE & EXTERIOR & INTERIOR DOORS



NOTE:

1. THE CONTROLS FOR THE FLUSH VALVE SHALL BE:
   A. OPERABLE WITH ONE HAND
   B. NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTINGOF THE WRIST.
   C. BE MOUNTED ON THE WIDE SIDE OF THE TOILE.
   D. BE MOUNTED AT 44" MAX. A.F.F.
   E. ACTIVATED WITH A FORCE OF LESS THAN OR EQUAL TO 5LB.

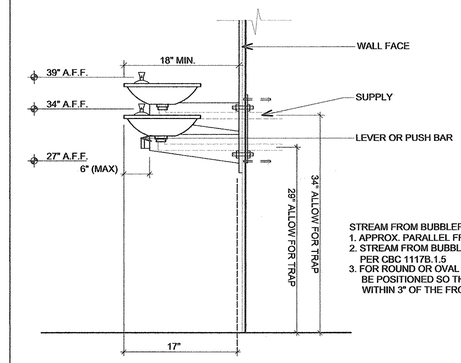
TA11 WATER CLOSET - FLOOR MOUNT
NOT TO SCALE



NOTE:

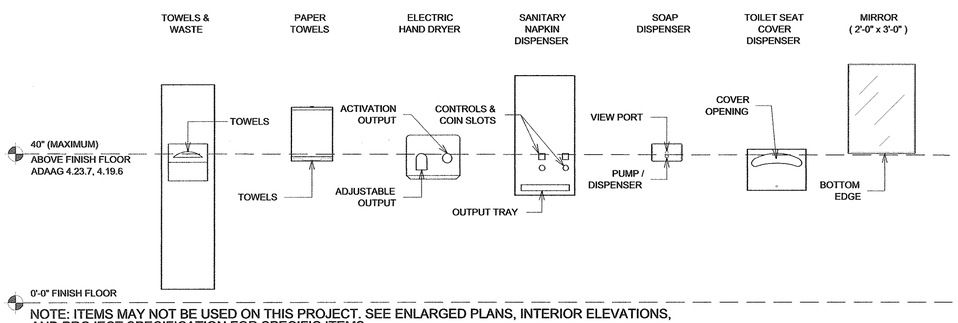
1. THE ACCESSIBLE LAVATORIES SHALL COMPLY WITH THE FOLLOWING PER SECTION 1115B.4.3, ADAAG 4.23.6 & THE CALIFORNIA PLUMBING CODE:
   A. THE FAUCETS CONTROLS AND OPERATING MECHANISM ARE:
      1. THE TYPE WHICH DOES NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST.
      2. HAS AN OPERATING FORCE OF LESS THAN OR EQUAL TO 5 LBS.
   B. IF SELF-CLOSING VALVES ARE USED, THEY SHALL REMAIN OPEN FOR A MINIMUM OF 10 SECONDS.

TA12 WALL MOUNTED LAVATORY
NOT TO SCALE



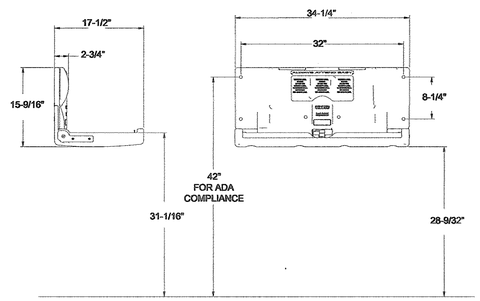
STREAM FROM BUBBLER:
1. APPROX. PARALLEL FRONT EDGE
2. STREAM FROM BUBBLER SHALL BE 4" MIN. PER CBC 1117B.1.5
3. FOR ROUND OR OVAL BOWLS, THE SPOUT SHALL BE POSITIONED SO THE FLOW OF WATER IS WITHIN 3" OF THE FRONT EDGE OF FOUNTAIN

A1 DRINKING FOUNTAIN MOUNTING HEIGHTS
NOT TO SCALE

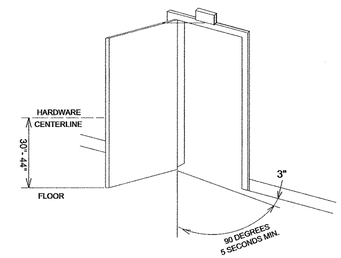


NOTE: ITEMS MAY NOT BE USED ON THIS PROJECT. SEE ENLARGED PLANS, INTERIOR ELEVATIONS, AND PROJECT SPECIFICATION FOR SPECIFIC ITEMS.

TA ACCESSORY MOUNTING HEIGHTS
NOT TO SCALE

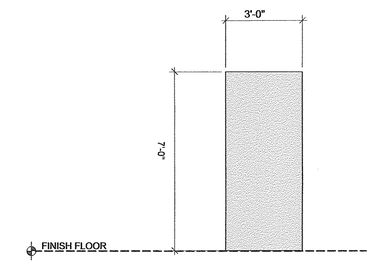


TA10 BABY CHANGING STATION
NOT TO SCALE

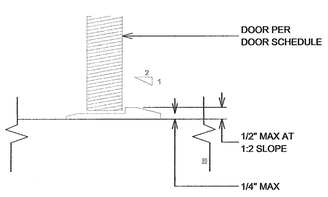


NOTE:
DOOR CLOSER, SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO AN OPEN POSITION OF 12 DEGREES SHALL BE 5 SECONDS MINIMUM.

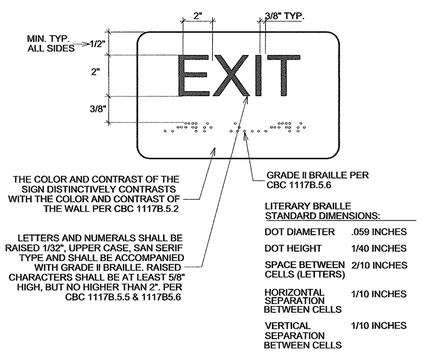
D REQUIRED ACCESSIBLE HARDWARE 2013
NOT TO SCALE



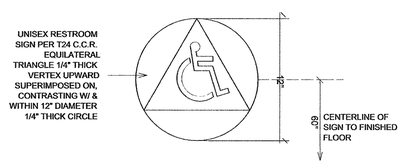
D DOOR ELEVATION
NOT TO SCALE



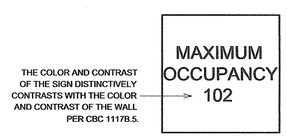
D INTERIOR THRESHOLD - AT DOOR
NOT TO SCALE



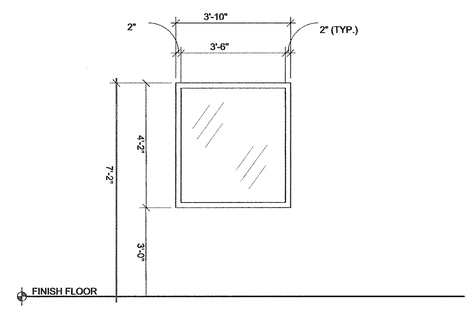
D EXIT SIGN
NOT TO SCALE



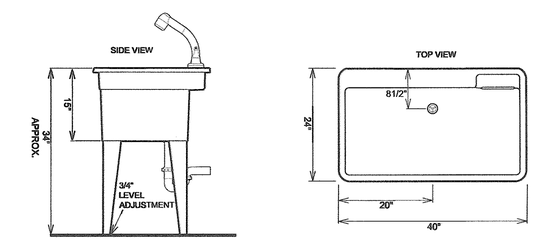
D UNISEX DOOR MOUNTED
NOT TO SCALE



MAXIMUM OCCUPANCY SIGN
NOT TO SCALE



W1 EXTERIOR AND INTERIOR WINDOW ELEVATIONS
NOT TO SCALE



S1 UTILITY TUB
NOT TO SCALE

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PROJECT TITLE : HEBER PUBLIC UTILITY DISTRICT RECREATION CENTER PROJECT

PROJECT NUMBER : 744.077

SHEET CONTENT : BUILDING DETAILS

SHEET NO. 8 OF 12 SHEETS

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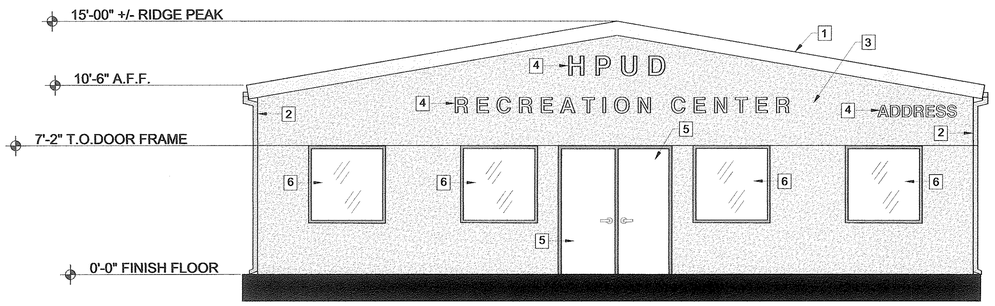
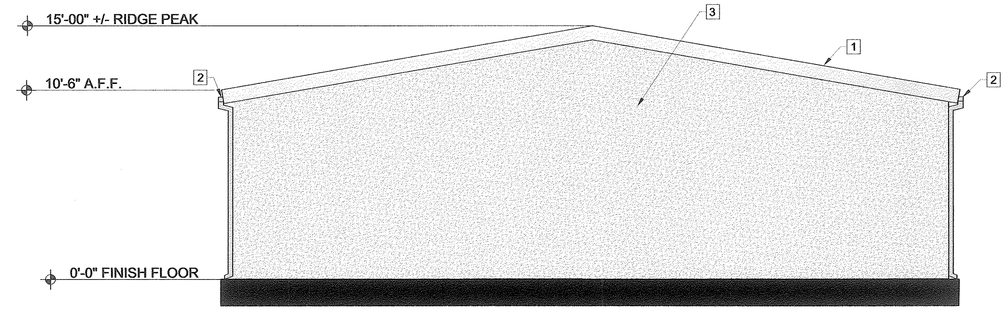
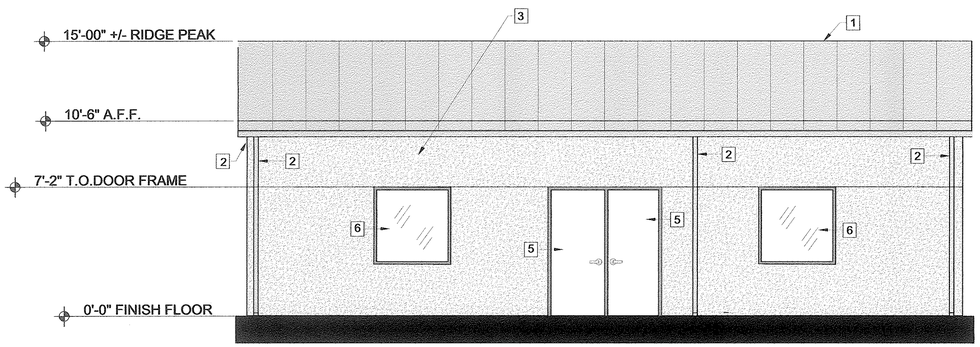


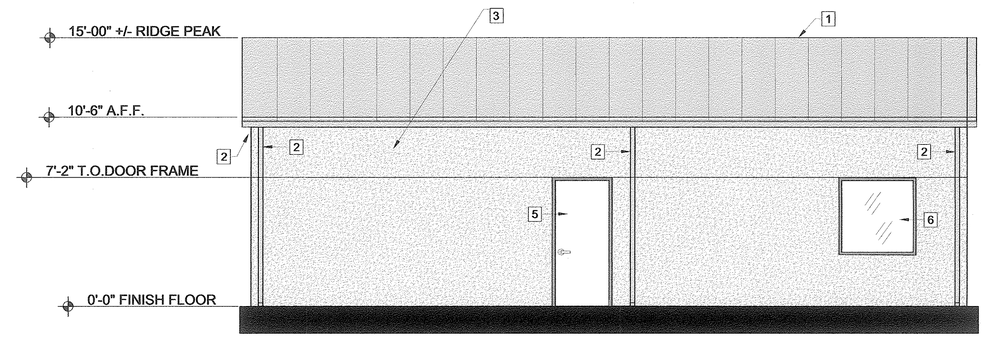
E1 WEST ELEVATION
SCALE: 1/4 " = 1'-0"



E2 EAST ELEVATION
SCALE: 1/4 " = 1'-0"



E3 SOUTH ELEVATION
SCALE: 1/4 " = 1'-0"



E4 NORTH ELEVATION
SCALE: 1/4 " = 1'-0"

1 STANDING SEAM ROOF, REFER TO MATERIAL SCHEDULE

2 ROOF GUTTER SYSTEM WITH ASSOCIATED DOWNSPOUTS

3 7/8" PLASTER WITH PAINT FINISH, REFER TO MATERIAL SCHEDULE

4 EXTERIOR BUILDING SIGNAGE

5 HOLLOW METAL FRAME & DOOR WITH PAINT FINISH DOOR HARDWARE REQUIREMENTS TO BE COORDINATED WITH COUNTY AND USER GROUP PRIOR TO INSTALLATION.

6 DUAL PANE 1" INSULATED GLASS UNIT WITH ALUMINUM WINDOW FRAME, REFER TO WINDOW SCHEDULE

7 SPECIALTY SERVICE WINDOW INTERGRATED WITH COUNTER FOR SERVICE KITCHEN. AIR CURTAIN SYSTEM WILL BE INSTALLED ON THE INTERIOR OVER WINDOW.

EXTERIOR ELEVATION KEYNOTES

INTERIOR MATERIAL SCHEDULE

	MANUFACTURER/DISTRIB.	COLOR	TYPE/SERIES	SIZE
PAINT				
PAINT 1	DUNN EDWARDS	DEC771 SHAGGY BARKED	100% ACRYLIC	PER PLANS
PLASTERS, GUTTERS/DOWNSPOUTS			FLAT FINISH	
PAINT 2	DUNN EDWARDS	DEC750 BISON BEIGE	100% ACRYLIC	PER PLANS
EXTERIOR DOORS & FRAMES, AWNING SYSTEM			SEMI-GLOSS	
EXTERIOR GLAZING				
EXTERIOR GLAZING	PPG ARCHITECTURAL	SOLARGRAY	SOLARBAN 60	PER PLANS
	GLAZING			
WINDOW FRAME				
ALUMINUM WINDOW FRAME	ARCADIA	STANDARD MEDIUM BRONZE	ALUMINUM	PER MANUF.
STANDING SEAM METAL ROOM				
STANDING SEAM METAL ROOM	ATAS	SLATE GREY	ATAS 2" FIELD-LOK	PER MANUF.

EXTERIOR MATERIAL SCHEDULE

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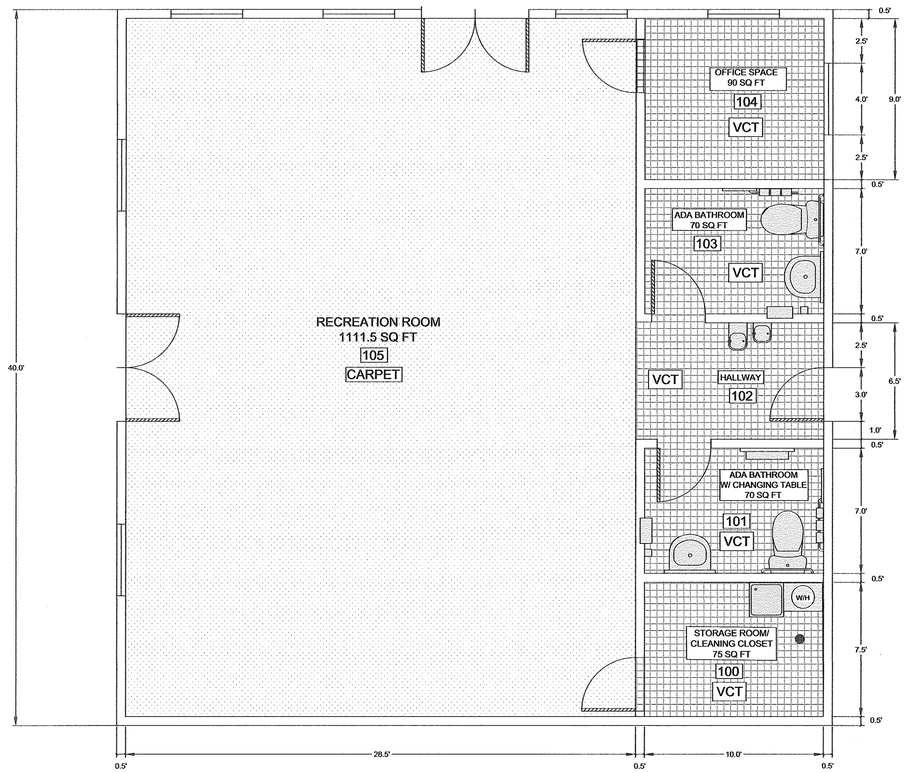
PROJECT TITLE : HEBER PUBLIC UTILITY DISTRICT RECREATION CENTER PROJECT

PROJECT NUMBER : 744.077

SHEET CONTENT : BUILDING EXTERIOR ELEVATIONS



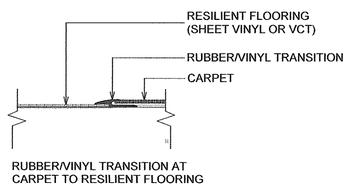
F2 FINISH FLOOR PLAN
SCALE: 3/8" = 1'-0"

INTERIOR FINISH SCHEDULE					
ROOM:		FLOOR:	WALL:		CEILING:
#	NAME:	FIELD:	BASE:	STANDARD:	PRIMARY:
100	STORAGE ROOM	VCT	RUBER BASE	FRP TO 8'-0"	PAINT 2 AT HARD LID
101	ADA BATHROOM	VCT	RUBER BASE	FRP TO 8'-0"	PAINT 2 AT HARD LID
102	HALLWAY	VCT	RUBER BASE	PAINT 1 (EGGSHELL)	PAINT 2 AT HARD LID
103	ADA BATHROOM	VCT	RUBER BASE	FRP TO 8'-0"	PAINT 2 AT HARD LID
104	OFFICE SPACE	VCT	RUBER BASE	PAINT 1 (EGGSHELL)	ACT & GRID
105	RECREATION ROOM	CARPET TILE	RUBER BASE	PAINT 1 (EGGSHELL)	ACT & GRID; PAINT 2 ZT HARD LID

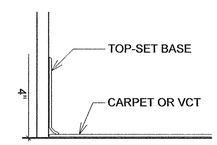
F2 INTERIOR FINISH SCHEDULE

INTERIOR MATERIAL SCHEDULE				
	MANUFACTURER/DISTRIB.	COLOR	STYLE	SIZE
CARPET TILE				
CARPET TILE	SHAW CONTRACT	EARTHNWARER 62750	GLAZE TILE 59562	24" x 24"
VINYL COMPOSITION TILE (VCT)				
VCT	ARMSTRONG	COTTAGE TAN 51830	IMPERIAL TEXTURE STANDARD EXCELON	24" x 24"
RUBBER BASE				
RUBBER BASE	JOHNSONITE	80 FAWN	TRADITIONAL	4" COVER BASE
PAINT				
PAINT 1	DUNN EDWARDS	DE6156 MARBLE DUST	LOW SHEEN TYPICAL	N/A
FIELD			SEMI-GLOSS WET AREAS	
PAINT 2	DUNN EDWARDS	DE6155 SOFT IVORY	FLAT TYPICAL	N/A
FIELD			SEMI-GLOSS WET AREAS	
PAINT 3	DUNN EDWARDS	DEC750 BISON BEIGE	SEMI-GLOSS	N/A
INTERIOR DOOR FRAMES				
FIBERGLASS REINFORCED PANELS (FRP)				
FRP	CRANE COMPOSITES	84 IVORY	GLASSBORD WITH SURFASEAL	PER PLANS
			PEBBLE EMBOSSED FINISH	
TOILET PARTITIONS				
TOILET PARTITIONS	BRADLEY CORP	ALMOND (0920)	PLASTIC LAMINATE	PER PLANS
			FLOOR-MOUNTED, OVERHEAD BRACED	
DOOR FINISH				
DOOR FINISH	WILSONART LAMINATE	7953-38 HARVEST MAPLE	PLASTIC LAMINATE OVER SOLID CORE	PER PLANS
			WOOD DOOR	
ACOUSTICAL CEILING TILE & GRID				
ACOUSTICAL CEILING TILE	ARMSTRONG	WHITE	DUNE 9/16" BEVELD TEGULAR	24" x 48" x 5/8"
			ITEM #: 1777	
GRID SYSTEM	ARMSTRONG	WHITE	SUPRAFINE XL	PER PLANS

F3 INTERIOR MATERIAL SCHEDULE



F4 INTERIOR TRANSITION - CARPET TO RESILIENT
NOT TO SCALE



F5 RUBBER BASE
NOT TO SCALE

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SCALE: PER PLAN	CHECKED BY: JM
BENCH MARK No.	ELEV.:
BENCHMARK	

PREPARED UNDER THE DIRECT SUPERVISION OF:

JESUS R. MARMOLEJO, P.E. — 80410 R.C.E. No.

09/13/2019 DATE — 03-31-21 REG. EXP.

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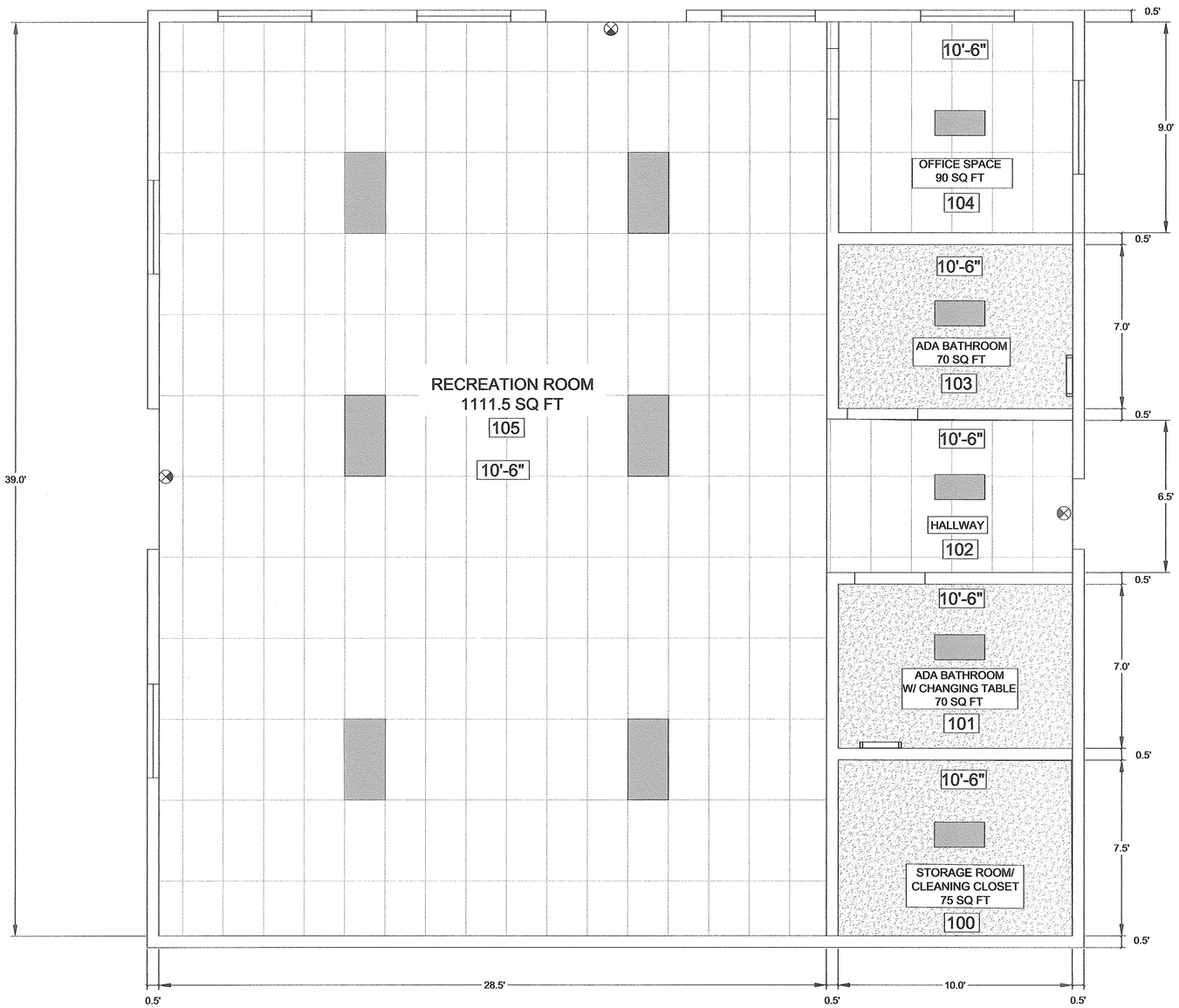
PROJECT TITLE : HEBER PUBLIC UTILITY DISTRICT RECREATION CENTER PROJECT

PROJECT NUMBER : 744.077

SHEET CONTENT : BUILDING FINISH FLOOR PLAN

SHEET NO. 10 OF 12 SHEETS



C1 FINISH FLOOR PLAN
SCALE: 1/4" = 1'-0"

ACOUSTICAL CEILING GRID TILE SYSTEM
REFER TO SHEET 7 FOR INSTALLATION
INFORMATION ALSO REFER TO MATERIAL SCHEDULE FOR
PRODUCT INFORMATION

INTERIOR HARD-LID CEILING 5/8 " TYPE X GYPSUM BOARD
WITH MEDIUM STIPPLE (ORANGE PEEL) TEXTURED FINISH.

2'-0" x 4'-0" LED LIGHT FIXTURE

RESTROOM SURFACE MOUNTED LED LIGHT FIXTURE

EXIT SIGNAGE

OR HVAC SUPPLY GRILLES

10'-6" CEILING HEIGHT INDICATOR

C2 REFLECTED CEILING PLAN LEGEND

1. ALL WALLS ARE FULL HEIGHT.
2. PROVIDE INSULATION THE FULL HEIGHT OF THE WALLS.
3. CONTRACTOR TO PROVIDE BACKING REINFORCEMENT FOR FURNITURE & EQUIPMENT IN WALLS & CEILING LOCATIONS TYPICAL.
4. CONTRACTOR SHALL REFER TO FLOOR PLAN & WALL LEGEND FOR WALL TYPES.
5. FOR ALL DROP SOFFIT REQUIREMENTS REFER TO STRUCTURAL FOR TYPICAL SOFFIT FRAMING DETAILS.
6. REFER TO SHEET 7 FOR ALL ACOUSTICAL CEILING TYPICAL DETAILS.
7. PAINT ALL EXPOSED PLUMBING, MECHANICAL & OTHER ITEMS WITHOUT FACTORY FINISH SUCH AS CONDUITS, PIPES, ACCESS PANELS AND ITEMS OF A SIMILAR NATURE TO MATCH ADJACENT SURFACE FINISH UNLESS NOTED OTHERWISE.
8. ALL NEW ACCESS PANELS TO BE PAINTED TO MATCH ADJACENT SURFACE.
9. ALL EXPOSED STRUCTURES SHALL BE PAINTED BLACK, INCLUDING FRAMING, GLU-LAM BEAMS, DUCT WORK, GRILLES, INSULLATION, ETC.
10. CONTRACTOR SHALL REFER TO SHEET 10 FOR ADDITIONAL INFORMATION REGARDING FINISH MATERIAL.
11. CONTRACTOR TO USE 5/8" TYPE X-GYP BOARD FOR ALL CEILING.
12. CONTRACTOR IS TO PROVIDE ACCESS PANELS IN HARD LID CEILING SO TO PROVIDE ACCESS TO ANY ELECTRICAL , PLUMBING AND MECHANICAL EQUIPMENT THAT NEEDS TO BE SERVICE, MAINTAINED OR INSPECTED.
13. CONTRACTOR IS REQUIRED TO LABEL ALL ELECTRICAL CONDUITS, PIPING EQUIPMENT, ETC... LOCATED ABOVE THE CEILING SPACE EVERY 10' MINIMUM WITH LABELS, CONTRACTOR IS TO IDENTIFY ON CEILING WHERE ALL SERVICEABLE EQUIPMENT IS LOCATED WITH LABEL (P-TOUGH LABEL MAKER IS ACCEPTABLE).

C3 REFLECTED CEILING PLAN GENERAL NOTES

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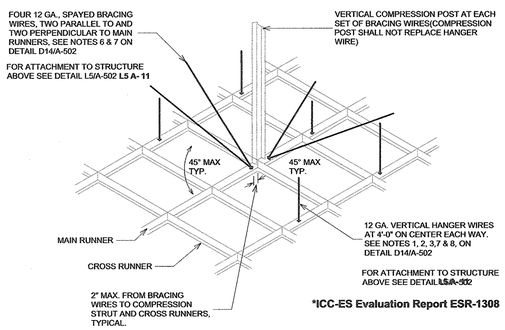
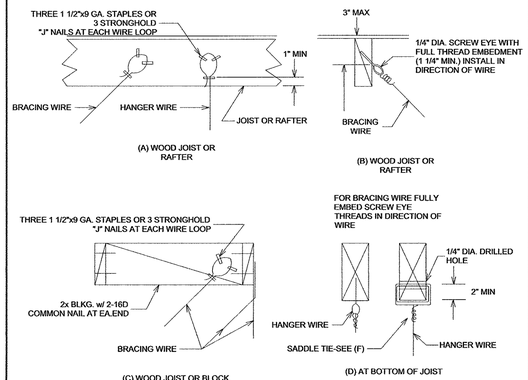
SHEET NO. 11 OF 12 SHEETS

WITH 2-#12 SELF-DRILLING SELF TAPPING (SDST) SCREWS AND TO STRUCTURE WITH 2- #12x2" SCREW AT WOOD OR 3/16" DIAMETER ANCHOR AT CONCRETE/STEEL. COMPRESSION STRUT SHALL NOT REPLACE HANGER WIRE.

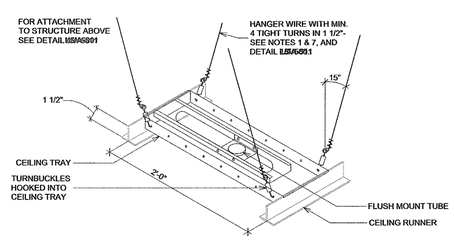


*ICC-ES Evaluation Report ESR-1308

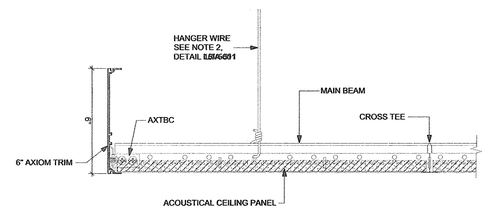
C4 ISOMETRIC OF SUSPENDED CEILING GRID
NOT TO SCALE



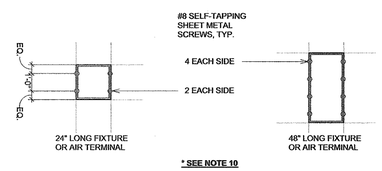
C5 WIRE CONNECTIONS TO WOOD FRAMING
NOT TO SCALE



C6 PROJECTOR MOUNT
NOT TO SCALE



C9 6 INCH AXIOM TRIM
NOT TO SCALE



C10 ATTACHMENT OF LIGHT FIXTURES AND AIR TERMINALS TO CEILING GRID
NOT TO SCALE

THE DESIGN AND INSTALLATION OF SUSPENDED ACOUSTIC CEILING SYSTEMS SHALL COMPLY WITH THE REQUIREMENTS CONTAINED IN **CALIFORNIA BUILDING CODE** , AND WITH THE FOLLOWING ADDITIONAL REQUIREMENTS AS NOTED:

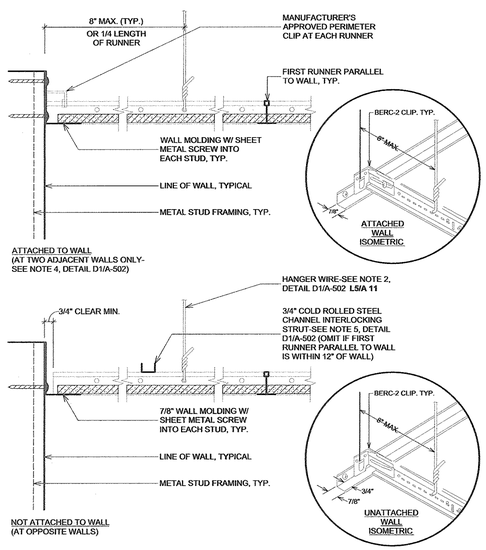
CHAPTER 25A, CALIFORNIA BUILDING CODE (PART 2, TITLE 24, CALIFORNIA CODE OF REGULATIONS) FOR SUSPENDED CEILING SYSTEMS IN PUBLIC SCHOOL BUILDINGS. DIVISION OF THE STATE ARCHITECT, INTERPRETATION OF REGULATIONS DOCUMENT 1R M-3 (DATED 6-6-2003) DEVIATIONS OR SPECIAL SITUATIONS NOT ADDRESSED BY THESE NOTES REQUIRE REVIEW AND APPROVAL BY THE DIVISION OF THE STATE ARCHITECT (DSA) FOR PUBLIC SCHOOL BUILDINGS

THESE NOTES AND THE DETAILS ON THIS SHEET ARE APPLICABLE TO STANDARD SUSPENDED ACOUSTICAL CEILING SYSTEMS WHOSE TOTAL WEIGHT INCLUDING AIR CONDITIONING GRILLES AND LIGHT FIXTURES DOES NOT EXCEED FOUR PONDS PER SQUARE FOOT (4 PSF), AND WHICH DO NOT SUPPORT LATERAL LOADS FROM PARTITIONS. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION REGARDING THE SUSPENDED ACOUSTICAL CEILING SYSTEM

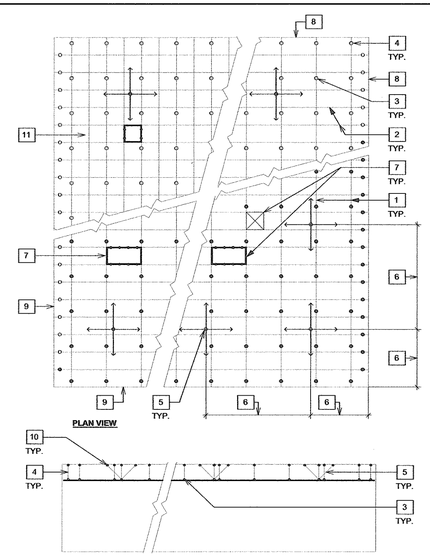
1. 12 GAUGE MINIMUM HANGER WIRES MAY BE USED FOR UP TO 4'-0" X 4'-0" GRID SPACING AND SHALL BE ATTACHED TO MAIN RUNNERS.
2. PROVIDE MINIMUM 12 GAUGE HANGER WIRES AT THE ENDS OF ALL MAIN AND CROSS RUNNERS WITHIN EIGHT INCHES (8") OF THE SUPPORT OR WITHIN 1/4 OF THE LENGTH OF THE END TEE, WHICHEVER IS LEAST, FOR THE PERIMETER OF THE CEILING AREA. END CONNECTIONS FOR RUNNERS WHICH ARE DESIGNED AND DETAILED TO RESIST THE APPLIED VERTICAL AND HORIZONTAL FORCES MAY BE USED IN LIEU OF THE 12 GAUGE HANGER WIRES SUBJECT TO ARCHITECT'S APPROVAL
3. PROVIDE TRAPEZE OR OTHER SUPPLEMENTARY SUPPORT MEMBERS AT OBSTRUCTIONS TO TYPICAL HANGER SPACING. PROVIDE ADDITIONAL HANGERS, STRUTS OR BRACES AS REQUIRED AT ALL CEILING BREAKS, SOFFITS OR DISCONTINUOUS AREAS. HANGER WIRES THAT ARE MORE THAN 1 IN 6 OUT OF PLUMB SHALL HAVE COUNTER-SLOPING WIRES
4. CEILING GRID MEMBERS MAY BE ATTACHED TO NOT MORE THAN TWO (2) ADJACENT WALLS, USING APPROVED CLIPS OR TIE WIRES. USE OF RIVOTS, SCREWS OR OTHER FASTENERS THROUGH EXPOSED FLANGE OF TEE IS NOT PERMITTED. CEILING GRID MEMBERS SHALL BE AT LEAST ONE-HALF INCH (1/2") FREE OF OTHER WALLS. WHERE WALLS RUN DIAGONALLY TO CEILING GRID SYSTEM RUNNERS, ONE END OF MAIN AND CROSS RUNNERS SHALL BE FREE AND A MINIMUM OF ONE-HALF INCH (1/2") CLEAR OF WALL
5. AT THE PERIMETER OF THE CEILING AREA WHERE MAIN OR CROSS RUNNERS ARE NOT CONNECTED TO THE ADJACENT WALL, PROVIDE INTERCONNECTION BETWEEN THE RUNNERS AT THE FREE END TO PREVENT LATERAL SPREADING. A METAL STRUT OR A 16 GAUGE WIRE WITH A POSITIVE MECHANICAL CONNECTION TO THE RUNNER MAY BE USED. WHERE THE PERPENDICULAR DISTANCE FROM THE WALL TO THE FIRST PARALLEL RUNNER IS TWELVE INCHES (12") OR LESS. THIS INTERLOCK IS NOT REQUIRED. PROVIDE BRACING ASSEMBLIES CONSISTING OF A COMPRESSION POST AND FOUR (4) MINIMUM 12 GAUGE SUPPORT WIRES
6. BRACING WIRES ORIENTATED 90 DEGREES FROM EACH OTHER AT THE FOLLOWING SPACING. SEE DETAIL D1/A-511

   (A) FOR SCHOOL BUILDINGS, PLACE BRACING ASSEMBLIES AT A SPACING OF NOT MORE THAN 12 FEET BY 12 FEET ON CENTER.
   (B) FOR ESSENTIAL SERVICES BUILDINGS, PLACE BRACING ASSEMBLIES AT A SPACING OF NOT MORE THAN 8 FEET BY 12 FEET ON CENTER.
   (C) PROVIDE BRACING ASSEMBLIES AT LOCATIONS NOT MORE THAN 1/2 THE SPACINGS GIVEN ABOVE, FROM EACH PERIMETER WALL AND AT THE EDGE OF VERTICAL CEILING OFFSETS
   (D) SUSPENDED ACOUSTICAL CEILING SYSTEMS WITH A CEILING AREA OF 144 SQUARE FEET OR LESS, AND FIRE RATED SUSPENDED ACOUSTICAL CEILING SYSTEMS WITH A CEILING AREA OF 96 SQUARE FEET OR LESS, SORROUNDED BY WALLS WHICH CONNECT DIRECTLY TO THE STRUCTURE ABOVE, DO NOT REQUIRE BRACING ASSEMBLIES WHEN ATTACHED TO TWO ADJACENT WALLS. THE SLOPE OF THE BRACING WIRES SHALL NOT EXCEED 45 DEGREES FROM THE PLANE OF THE CEILING. THE BRACING WIRES SHALL BE TAUT WITHOUT CAUSING THE CEILING TO LIFT. SPLICES ARE NOT PERMITTED IN BRACING WIRES WITHOUT SPECIAL REVIEW AND APPROVAL BY ARCHITECT
7. FASTEN HANGER WIRES WITH NOT LESS THAN THREE (3) TIGHT TURNS. FASTEN SPLAYED BRACING WIRES WITH NOT LESS THAN FOUR (4) TIGHT TURNS. MAKE ALL TIGHT TURNS WITHIN A DISTANCE OF ONE AND ONE AND ONE-HALF INCHES (1 1/2") HANGER OR BRACING WIRE ANCHORS TO THE STRUCTURE SHALL BE INSTALLED IN SUCH A MANNER THAT THE DIRECTION OF THE WIRE ALIGNS AS CLOSELY AS POSSIBLE WITH THE DIRECTION OF THE FORCES ACTING ON THE WIRE
8. SEPARATE ALL CEILING HANGER AND BRACING WIRES SIX INCHES (6") MINIMUM FROM ALL UNBRACED DUCTS, PIPES, CONDUIT, ETC. IT IS ACCEPTABLE TO ATTACH LIGHTWEIGHT ITEMS, SUCH AS SINGLE ELECTRICAL CONDUITS NOT EXCEEDING 3/4" NOMINAL DIAMETER, TO HANGER WIRES USING CONNECTORS APPROVED BY DSA. WHERE DRILLED-IN EXPANSION ANCHORS OR POWDER-DRIVEN PINS ARE USED IN REINFORCED CONCRETE
9. FOR HANGER WIRES, ONE OUT OF TEN (1/10) SHALL BE FIELD TESTED FOR 200 POUNDS IN TENSION. WHERE DRILLED-IN EXPANSION ANCHORS ARE USED IN REINFORCED CONCRETE FOR BRACING WIRES, ONE OUT OF TWO (1/2) MUST BE FIELD TESTED FOR 440 POUNDS IN TENSION. POWDER-DRIVEN PINS IN CONCRETE ARE NOT PERMITTED FOR BRACING WIRES. IF ANY DRILLED-IN EXPANSION ANCHOR OR POWDER-DRIVEN PIN FAILS, SEE SECTION 1923A.3.5, CALIFORNIA BUILDING CODE (PART 2, TITLE 24).
10. ATTACH ALL LIGHT FIXTURES AND CEILING MOUNTED AIR TERMINALS TO THE CEILING GRID RUNNERS TO RESIST A HORIZONTAL FORCE EQUAL TO THE WEIGHT OF THE FIXTURE. USE #8 SELF-TAPPING SHEET METAL SCREWS THROUGH THE FIXTURE HOUSING AND THE VERTICAL WEB OF THE CEILING GRID MAIN OR CROSS RUNNER. FOR 24 INCH LONG FIXTURES, INSTALL ON EACH OF TWO OPPOSITE SIDES OF THE FIXTURE TWO (2) SCREWS, SPACED 12 INCHES APART (4 SCREWS TOTAL PER FIXTURE). FOR 48 INCH LONG FIXTURES INSTALL ON EACH OF TWO OPPOSITE SIDES OF THE FIXTURE FOUR (4) SCREWS, SPACED 12 INCHES APART (8 SCREWS TOTAL PER FIXTURE). INSTALL SCREWS ON LONG SIDES OF RECTANGULAR FIXTURES. SEE DETAIL D1/A-511
11. FLUSH OR RECESSED LIGHT FIXTURES AND AIR TERMINALS OR SERVICES, WEIGHING LESS THAN 56 POUNDS, MAY BE SUPPORTED DIRECTLY ON THE RUNNERS OF HEAVY-DUTY GRID SYSTEMS, BUT, IN ADDITION THEY SHALL HAVE A MINIMUM OF TWO (2) - 12 GAUGE SLACK SAFETY WIRES ATTACHED TO THE FIXTURE AT DIAGONAL CORNERS AND ANCHORED TO THE STRUCTURE ABOVE. ALL 4 FOOT X 4 FOOT LIGHT FIXTURES SHALL HAVE SLACK SAFETY WIRES AT EACH CORNER ANCHORED TO THE STRUCTURE ABOVE. ALL FLUSH OR RECESSED LIGHT FIXTURES AND AIR TERMINALS OR SERVICES WEIGHING 56 POUNDS OR MORE SHALL BE INDEPENDENTLY SUPPORTED BY NOT LESS THAN FOUR (4) - 12 GAUGE TAUT WIRES EACH ATTACHED TO THE STRUCTURE ABOVE REGARDLESS OF THE TYPE OF CEILING GRID SYSTEM USED. THE FOUR TAUT 12 GAUGE WIRES INCLUDING THEIR ATTACHMENT TO THE STRUCTURE ABOVE SHALL BE CAPABLE OF SUPPORTING FOUR (4) TIMES THE WEIGHT OF THE UNIT.
12. SUPPORT SUFACE MOUNTED LIGHT FIXTURES BY AT LEAST TWO POSITIVE DEVICES WHICH SORROUND THE CEILING RUNNER AND WHICH ARE SUPPORTED FROM THE STRUCTURE ABOVE BY A 12 GAUGE WIRE. SPRING CLIPS OR CLAMPS THAT CONNECT ONLY TO THE RUNNER ARE NOT PERMITTED. PROVIDE ADDITIONAL SUPPORTS WHEN LIGHT FIXTURES ARE 8 FEET OR LONGER.
13. SUPPORT PENDANT MOUNTED LIGHT FIXTURES DIRECTLY FROM THE STRUCTURE ABOVE WITH HANGER WIRES OR CABLES PASSING THROUGH EACH PENDANT HANGER AND CAPABLE OF SUPPORTING FOUR (4) TIMES THE WEIGHT OF THE FIXTURE. A BRACING ASSEMBLY PER NOTE 6 ABOVE IS REQUIRED WHERE THE PENDANT HANGER PENETRATES THE CEILING. SPECIAL DETAILS REVIEWED AND APPROVED BY DSA ARE REQUIRED TO ATTACH THE PENDANT HANGER TO THE BRACING ASSEMBLY TO TRANSMIT HORIZONTAL FORCES

C11 SUSPENDED ACOUSTICAL CEILING NOTES
NOT TO SCALE



C7 WALL / SUSPENDED CEILING INTERSECTION
NOT TO SCALE



KEY NOTES

1. MAIN RUNNER @ 48" O.C. MAXIMUM
2. CROSS RUNNER @ 24" O.C. MAXIMUM
3. 12 GA. HANGER WIRES @ 48" O.C. MAXIMUM REFER TO C11 NOTES 1, 3, 7 & 8
4. 12 GA. HANGER WIRE 8" OR 1/4 LENGTH OF END TEE FROM WALL. REFER TO C11 NOTES 2, 3, 7 & 8
5. 12 GA. SPLAYED BRACING WIRES & COMPRESSION POST. REFER TO C11 NOTES 6 & 7
6. FOR SPACING OF BRACING WIRES, REFER TO C11 NOTES 6A & 6B
7. LIGHT FIXTURES & HVAC GRILLES REFER TO C11 NOTES 9 & 10, AND DETAIL C10
8. CEILING GRID MEMBER ATTACHED TO WALL AT TWO ADJACENT WALLS ONLY. REFER TO C11 NOTE 4 AND DETAIL C7
9. CEILING GRID MEMBER NOT ATTACHED AT OPPOSITE WALLS. REFER TO C11 NOTES 4 & 5 AND DETAIL C7
10. HANGER WIRE AND BRACING WIRE ATTACHMENT TO STRUCTURE. REFER TO C11 NOTE 7 AND DETAIL C5
11. SAME CRITERIA AS NOTED ABOVE ARE APPLICABLE AT 24" X 24" GRID.

C8 WALL / SUSPENDED CEILING INTERSECTION
NOT TO SCALE

NOT USED
NOT TO SCALE

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SHEET CONTENT : CEILING NOTES & DETAILS

SHEET NO. 12 OF 12 SHEETS