

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA NEVADA", LATEST ISSUE; THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION, CLARK COUNTY AREA NEVADA", LATEST REVISED EDITION; THE "SUMMERLIN IMPROVEMENT STANDARDS" FOR WORK IN THE SUMMERLIN AREA; AND OTHER APPLICABLE APPROVED STANDARDS ISSUED BY THE CONTROLLING AGENCY; THE UNIFORM BUILDING CODE; AND ALL LOCAL CITY CODES AND ORDINANCES APPLICABLE, EXCEPT AS NOTED ON THIS SHEET AS "DEVIATIONS FROM STANDARDS".
2. THE EXISTENCE AND LOCATION OF ANY OVERHEAD OR UNDERGROUND UTILITY LINES, PIPES, OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A RESEARCH OF THE AVAILABLE RECORDS. EXISTING UTILITIES AS SHOWN FROM CLV PLANS LIBRARY ARE APPROXIMATE AND FOR RECORD PURPOSES. EXISTING UTILITIES ARE LOCATED ON PLANS ONLY FOR THE CONVENIENCE OF THE CONTRACTOR. EXISTING UTILITY SERVICE LATERALS MAY NOT BE SHOWN ON THE PLANS. THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, LOCATE ALL UNDERGROUND AND OVERHEAD INTERFERENCE WHICH MAY AFFECT HIS OPERATION DURING CONSTRUCTION AND SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO SAME. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING NEAR OVERHEAD UTILITIES SO AS TO SAFELY PROTECT ALL PERSONNEL AND EQUIPMENT, AND SHALL BE RESPONSIBLE FOR ALL COST AND LIABILITY IN CONNECTION THEREWITH.
3. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING UTILITY LINES, STRUCTURES AND STREET IMPROVEMENTS WHICH ARE TO REMAIN IN PLACE, FROM DAMAGE, AND ALL SUCH IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED SATISFACTORY TO THE CITY ENGINEER OR OWNING UTILITY COMPANY AT THE EXPENSE OF THE CONTRACTOR.
4. ALL CONSTRUCTION SHALL BE AS SHOWN ON THESE PLANS, ANY REVISIONS SHALL HAVE THE PRIOR WRITTEN APPROVAL OF THE CITY ENGINEER.
5. TYPE V CEMENT SHALL BE USED IN ALL OFF-SITE CONCRETE WORK. CONCRETE TO BE 3000 P.S.I. MINIMUM @ 28 DAYS. MIX DESIGN TO BE APPROVED BY THE QUALITY CONTROL DIVISION, PRIOR TO THE USE ON THE PROJECT.
6. PERMITS ARE REQUIRED FOR ANY WORK IN THE PUBLIC RIGHT-OF-WAY. THE CONTRACTOR SHALL SECURE ALL PERMITS AND INSPECTIONS REQUIRED FOR THIS CONSTRUCTION.
7. EXPANSION JOINTS REQUIRED, MAXIMUM EVERY 300' IN EXTRUDED-TYPE CURB.
8. AC PAVEMENT TO BE 1/2" ABOVE LIP OF ALL GUTTERS AFTER COMPACTION, EXCEPT AT SIDEWALK RAMP.
9. CURB AND GUTTER WITH A GRADE OF LESS THAN FOUR-TENTHS OF ONE PERCENT SHALL BE WATER-TESTED AS SOON AS POSSIBLE AFTER CONSTRUCTION. ANY CURB AND GUTTER FOUND TO BE UNACCEPTABLE TO THE CITY SHALL BE REMOVED AND REPLACED PER USD 216.
10. SIDEWALK RAMPS SHALL BE CONSTRUCTED IN EACH QUADRANT OF AN INTERSECTION PER USD 235, CASE 1. EXACT LOCATION OF RAMPS MAY BE ADJUSTED IN THE FIELD BY A CITY PROJECT REPRESENTATIVE.
11. CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITIONS BETWEEN NEW CONSTRUCTION AND EXISTING SURFACES TO PROVIDE FOR PROPER DRAINAGE AND FOR INGRESS AND EGRESS TO NEW CONSTRUCTION. THE EXTENT OF TRANSITIONS TO BE AS SHOWN ON PLANS, OR AS DESIGNATED IN THE FIELD BY CITY PROJECT REPRESENTATIVE.
12. EXACT LOCATION OF ALL SAWCUT LINES MAY BE DETERMINED IN THE FIELD BY A CITY PROJECT REPRESENTATIVE IF LOCATION ON PLANS IS NOT CLEARLY SHOWN, OR EXISTING PAVEMENT CONDITION REQUIRES RELOCATIONS.
13. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PROTECT EXISTING PERMANENT SURVEY MONUMENTS. ANY MONUMENTS DISTURBED SHALL BE REPLACED, AND SHALL BE DONE ONLY BY A NEVADA PROFESSIONAL LAND SURVEYOR IN ACCORDANCE WITH THE UNIFORM STANDARD DRAWINGS - CLARK COUNTY AREA. A RECORD-OF-SURVEY FOR REPLACEMENT OF PERMANENT SURVEY MONUMENTS SHALL BE SUBMITTED TO THE CITY ENGINEER FOR APPROVAL PRIOR TO RECORDING. THE RECORD-OF-SURVEY SHALL BE PREPARED IN ACCORDANCE WITH NEVADA REVISED STATUTES 625.350.
14. UTILITY COMPANY METER BOXES, MANHOLE LIDS, VALVE COVERS, ETC., SHALL BE LOCATED OUT OF DRIVEWAYS, DRIVEWAY APRONS, FLOWLINES, AND CROSS GUTTERS UNLESS WRITTEN APPROVAL IS GRANTED BY THE AFFECTED UTILITY COMPANY AND THE CITY ENGINEER.
15. ALL WALLS, NEW OR EXISTING, ARE ONLY SHOWN ON CIVIL PLANS FOR THE PURPOSE OF REVIEWING GRADING RELATIONSHIPS; FLOOD CONTROL AND SIGHT DISTANCE AT INTERSECTIONS. NEW WALLS REQUIRE A SEPARATE PERMIT AND INSPECTION BY THE CLV BUILDING DEPARTMENT.
16. ASPHALT MIX DESIGN MUST BE SUBMITTED AND APPROVED BY THE CITY ENGINEER PRIOR TO THE PLACEMENT OF ASPHALT WITHIN CITY RIGHTS OF WAY.
17. CONTRACTOR SHALL ADJUST ALL NEW AND EXISTING INLETS, VALVE BOXES, MANHOLE RIMS, SEWER CLEANOUTS, ETC. TO FINISH GRADE AS APPLICABLE WHETHER OR NOT THEY ARE SHOWN ON THE PLANS.
18. MATERIALS, HANDLING AND PLACEMENT OF PORTLAND CEMENT CONCRETE SHALL BE IN ACCORDANCE WITH APPLICABLE SECTIONS OF NDOT AND CLARK COUNTY AREA SPECIFICATIONS (AS APPLICABLE) AND THE PLANS AND DETAILS SHOWN HEREON.
19. WHEN INSTALLING UNDERGROUND FACILITIES THAT REQUIRE UNDERGROUND LOCATING DEVICES SUCH AS MARKER BALLS, LOCATING RIBBON, ETC. THE CONTRACTOR SHALL PROVIDE WRITTEN DOCUMENTATION TO THE ENGINEER CERTIFYING THAT ALL DEVICES HAVE BEEN PLACED AND VERIFIED TO BE IN GOOD WORKING CONDITION PRIOR TO THE CONSTRUCTION OF ANY ROAD BASE.
20. SANITARY SEWER AND STORM DRAIN FINAL LOCATION INFORMATION SHALL BE PROVIDED TO THE ENGINEER PRIOR TO PROJECT ACCEPTANCE. THE INFORMATION SHALL INCLUDE THE HORIZONTAL AND VERTICAL (INVERT) LOCATION OF PUBLIC SEWER MANHOLES, STORM DRAIN MANHOLES, STORM DRAIN LATERALS AT THE CONNECTION TO THE STORM DRAIN MAIN AND THE CONNECTION TO A DROP INLET, AND THE CONNECTION OF SEWER SERVICE LATERALS TO THE SEWER MAIN AND WHERE THE SEWER SERVICE LATERALS EXITS THE PUBLIC RIGHT-OF-WAY. THE LOCATION SHALL BE DESCRIBED BY COORDINATES WHICH SHALL BE BASED ON THE OFFICIAL HORIZONTAL AND VERTICAL CONTROL NETWORKS OF THE CITY OF LAS VEGAS. FINAL LOCATION INFORMATION MUST BE SEALED AND CERTIFIED BY A NEVADA PROFESSIONAL LAND SURVEYOR TO HAVE POSITIONAL CERTAINITIES OF ± 0.08 METERS (± 0.3 FEET) HORIZONTALLY AND VERTICALLY. A SEPARATE ELECTRONIC COINMMA DELIMITED FILE FOR THE SANITARY SEWER AND STORM DRAIN COORDINATES SHALL ALSO ACCOMPANY THE SANITARY SEWER AND STORM DRAIN FINAL LOCATION INFORMATION.
21. CCTV VIDEO INSPECTION IS REQUIRED FOR ALL SEWER AND STORM DRAINS. THE CCTV VIDEO INSPECTIONS NEED TO BE PERFORMED PER THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS LATEST ADDITION.
22. A SEPARATE BORING PERMIT IS REQUIRED FOR ALL BORING ACTIVITIES.

REVISED JANUARY 23, 2014 (CPM VERSION)

@	AT	M.LCP	MULTI-LAYER COMPOSITE PIPE
AC	ASPHALTIC CONCRETE	NHS	NOT TO SCALE
ACG	AGESTOS CEMENT PIPE	NVE	NW ENERGY
ASP	AUTHORIZATION TO ENTER PROPERTY	ONP	OVERHEAD POWER LINE
APPROX.	APPROXIMATE	P.C.P.	POINT OF CURVE
B/C, BC	BACK OF CURB	P.I.P.	PROTECT IN PLACE
BCR	BACK OF CURB RADIUS	PP	POWER POLE
BM	BENCHMARK	PT	POINT OF TANGENCY
BOT	BOTTOM	PRC	POINT OF REVERSE CURVE
B.R.	BACK OF RAMP	PB	PULLBOX
Q, CL	CENTERLINE	R, PL	PROPERTY LINE
CATV	CABLE T.V.	R	RADIUS
CHPP	CURED-IN-PLACE PIPE	RT	RIGHT
CLV	CITY OF LAS VEGAS	R.W, R.O.W.	RIGHT OF WAY
CONC.	CONCRETE	SCCP	STEEL CYLINDER CONCRETE PIPE
COND.	CONDUCTOR	SD	STORM DRAIN
CLSM	CONTROLLED LOW STRENGTH MATERIAL	SS	SQUARE FOOT
C & G	CURB AND GUTTER	SF	SANITARY SEWER
D/W	DRIVEWAY	STA	STATION
DWG	DRAWING	STD	STANDARD
ECR	END OF CURB RETURN (AT B/C)	SV	SQUARE YARD
ELECTRIC	EDGE OF PAVEMENT	S/W	SIDEWALK
EO, EP	ELEVATION	T	TELEPHONE LINE
ELEV.	EXISTING	TC	TOP OF CURB
EXIST., EX.	EXISTING	TEL	TELEPHONE
EXOH	EXISTING OVERHEAD UTILITY	TF	TOP OF FOOTING
FO	FOUND	TRANS.	TRANSITION
FL	FLOWLINE	T.R.C.	TOP OF RAMP CURB
FG	FINISHED GRADE	TS	TRAFFIC SIGNAL
FH	FEET HYDRANT	TYP.	TYPICAL
FT	FOOT/FEET	USD	UNIFORM STD DRAWING
FC	FACE OF CURB	USS	UNIFORM STD SPECIFICATIONS
G	GAS	W	WATER LINE
GV	GAS VALVE	WC	WHEEL CHAIR
GW	GUY WIRE	WM	WATER METER
INT.	INTERSECTION	WV	WATER VALVE
IRR	IRRIGATION	W/	WITH
LENTH	LENGTH	△	INCLUDED DELTA ANGLE
L	LINEAL FOOT, LINEAR FEET		
LT	LEFT		
MH	MANHOLE		

GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA COORDINATE REFERENCE SYSTEM (NCRS), LAS VEGAS AND LAS VEGAS HIGH ELEVATION ZONES, NORTH AMERICAN DATUM OF 1983; SAID MERIDIAN BEING COINCIDENT WITH 114° 58' WEST OF THE GREENWICH MERIDIAN.

- LINEAR UNIT: US SURVEY FOOT (SFT)
- DATUM (REFERENCE FRAME): NAD 1983 (2011) EPOCH 2010.0
- SYSTEM: NEVADA COORDINATE REFERENCE SYSTEM (NCRS)
- ZONE: LAS VEGAS
- PROJECTION: TRANSVERSE MERCATOR
- STANDARD PARALLEL (AND LATITUDE OF GRID ORIGIN): 36° 15' 00" N
- LENGTH OF CENTRAL MERIDIAN: 114° 58' 00" W
- NORTHING AT GRID ORIGIN: 200,000.00 M (656,136,686.67 SFT)
- EASTING AT CENTRAL MERIDIAN: 100,000.00 M (328,083,333.33 SFT)
- SCALE FACTOR ON CENTRAL MERIDIAN: 1.0001 (EXACT)

CLV BENCHMARK ID: 8LV0136E6
DESCRIPTION: RIVET & PLATE AT TOP OF CURB ON THE NORTH SIDE OF STEWART AVENUE, ONE-QUARTER MILE EAST OF MOJAVE ROAD
ELEVATION: 1804.24' NAVD88(8LV2008)

1. IN THE EVENT THAT ANY UNFORESEEN CONDITIONS NOT COVERED BY THESE NOTES ARE ENCOUNTERED DURING GRADING OPERATIONS, THE OWNER/ENGINEER SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTION.
2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM ALL NECESSARY CUTS AND FILLS WITHIN THE LIMITS OF THIS PROJECT AND THE RELATED OFF-SITE WORK, SO AS TO GENERATE THE DESIRED SUBGRADE, FINISH GRADES AND SLOPES SHOWN.
3. CONTRACTOR SHALL TAKE FULL RESPONSIBILITY FOR ALL EXCAVATION. ADEQUATE SHORING SHALL BE DESIGNED AND PROVIDED BY THE CONTRACTOR TO PREVENT UNDERMINING OF ANY ADJACENT FEATURES OR FACILITIES AND/OR CAVING OF THE EXCAVATION.
4. THE GRADING CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH THE OWNER TO PROVIDE FOR THE REQUIREMENTS OF THE PROJECT STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND ASSOCIATED PERMIT.
5. ALL CUT AND FILL SLOPES SHALL BE PROTECTED UNTIL EFFECTIVE EROSION CONTROL HAS BEEN ESTABLISHED.
6. THE USE OF POTABLE WATER WITHOUT A SPECIAL PERMIT FOR BUILDING OR CONSTRUCTION PURPOSES INCLUDING CONSOLIDATION OF BACKFILL OR DUST CONTROL IS PROHIBITED. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FOR CONSTRUCTION WATER.
7. THE CONTRACTOR SHALL MAINTAIN THE STREETS, SIDEWALKS AND ALL OTHER PUBLIC RIGHT-OF-WAY IN A CLEAN, SAFE AND USABLE CONDITION. ALL SPILLS OF SOIL, ROCK OR CONSTRUCTION DEBRIS SHALL BE PROMPTLY REMOVED FROM THE PUBLICLY OWNED PROPERTY DURING CONSTRUCTION AND UPON COMPLETION OF THE PROJECT. ALL ADJACENT PROPERTY, PRIVATE OR PUBLIC SHALL BE MAINTAINED IN A CLEAN, SAFE AND USABLE CONDITION.
8. IN THE EVENT THAT ANY TEMPORARY CONSTRUCTION ITEM IS REQUIRED THAT IS NOT SHOWN ON THESE DRAWINGS, SUCH ITEM SHALL BE PROVIDED, AS DIRECTED BY THE CITY ENGINEER, AT NO EXPENSE TO THE CITY OF LAS VEGAS. TEMPORARY CONSTRUCTION INCLUDES DITCHES, BERMS, ROAD SIGNS AND BARRICADES, ETC.

REVISED APRIL 13, 2015 (CPM VERSION)

1. ALL CONSTRUCTION SIGNING, BARRICADING, AND TRAFFIC DELINEATION SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", LATEST EDITION.
2. THE STREET SIGN CONTRACTOR SHALL OBTAIN STREET NAMES AND BLOCK NUMBERING FROM THE PLANNING DEPARTMENT PRIOR TO CONSTRUCTION.
3. BEFORE ANY WORK IS STARTED IN THE RIGHT-OF-WAY, THE CONTRACTOR SHALL INSTALL ALL ADVANCE WARNING SIGNS FOR THE CONSTRUCTION ZONE. THE CONTRACTOR SHALL INSTALL TEMPORARY STOP SIGNS AT ALL NEW STREET ENCROACHMENTS INTO EXISTING CITY STREETS WHERE WARRANTED IMMEDIATELY AFTER FIRST GRADING WORK IS ACCOMPLISHED, AND SHALL MAINTAIN SAID SIGNS UNTIL PERMANENT SIGNS ARE INSTALLED.
4. WHEN A DESIGNATED "SUGGESTED ROUTE TO SCHOOL" IS ENCLOSED UPON BY A CONSTRUCTION WORK ZONE AND PUBLIC WORKS STAFF IDENTIFIES A NEED FOR STUDENTS TO BE ASSISTED IN THE SAFE CROSSING THROUGH THAT WORK ZONE, THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE A QUALIFIED "CROSSING GUARD". THE GUARD SHALL BE PRESENT FOR THE FULL DURATION OF TIME THAT CHILDREN ARE LIKELY TO BE PRESENT.
5. IF THE IMPROVEMENTS NECESSITATE THE OBLITERATION, TEMPORARY OBSTRUCTION, TEMPORARY REMOVAL OR RELOCATION OF ANY EXISTING TRAFFIC PAVEMENT MARKING, SUCH PAVEMENT MARKING SHALL BE RESTORED OR REPLACED WITH LIKE MATERIALS TO THE SATISFACTION OF THE CITY TRAFFIC ENGINEER.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL PERMANENT SIGNS SHOWN ON THE PLANS. ALL NEW TRAFFIC SIGNS SHALL UTILIZE TYPE XI RETROREFLECTIVE SHEETING IN ACCORDANCE WITH CALTRANS 627 AND 716 AND SHALL HAVE AN ANTI-GRAFFITI PROTECTIVE OVERLAY FILM THAT IS A MATCHING COMPONENT TO, AND OF THE SAME MANUFACTURER AS THE RETROREFLECTIVE SHEETING TO WHICH IT IS APPLIED. STREET NAME SIGNS SHALL CONFORM IN THEIR ENTIRETY TO CURRENT CITY STANDARDS. ALL OTHER SIGNS SHALL BE STANDARD SIZE UNLESS OTHERWISE SPECIFIED ON THE PLANS. ALL SIGN POSTS SHALL BE INSTALLED IN ACCORDANCE WITH THE CURRENT CITY STANDARDS.
7. WHEN A PROPOSED STREET LIGHT STANDARD IS LOCATED WITHIN FIVE (5) FEET OF ANY PROPOSED SIGN SHOWN ON THE PLANS TO BE MOUNTED ON A SIGNPOST, THE SIGN SHALL BE MOUNTED ON THE STREET LIGHT STANDARD AND THE SIGNPOST SHALL BE ELIMINATED.
8. ALL PERMANENT TRAFFIC CONTROL DEVICES CALLED FOR HEREON SHALL BE IN PLACE AND IN FINAL POSITION PRIOR TO ALLOWING ANY PUBLIC TRAFFIC ONTO THE PORTIONS OF THE ROAD(S) BEING IMPROVED HERE UNDER, REGARDLESS OF THE STATUS OF COMPLETION OF PAVING OR OTHER OFF-SITE IMPROVEMENTS CALLED FOR BY THESE PLANS.
9. STREET SIGNS AND STOP SIGNS SHALL BE INSTALLED PER CITY STANDARD SPECIFICATIONS FOR PLACEMENT OF STREET NAME SIGNS.
10. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY TRAFFIC CONTROL DEVICES AND FLAGGERS TO INSURE THE SAFETY OF THE PUBLIC IN OR AROUND THE WORK AREA. THE CONTRACTOR SHALL EMPLOY A CERTIFIED ATSSA TRAFFIC CONTROL TECHNICIAN OR MSA WORK ZONE SAFETY SPECIALIST SET UP, MAINTAIN AND/OR REMOVE ALL TRAFFIC CONTROL DEVICES IN THE CITY OF LAS VEGAS RIGHT OF WAY.
11. WORK IN PUBLIC STREETS, ONCE BEGUN, SHALL BE EXPEDITED TO COMPLETION SO AS TO PROVIDE MINIMUM INCONVENIENCE TO ADJACENT PROPERTY OWNERS AND TO THE TRAVELING PUBLIC.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING RTC TRANSIT IF THE CONSTRUCTION INTERRUPTS OR RELOCATES A BUS STOP OR HAS AN ADVERSE EFFECT ON BUS SERVICE ON THAT STREET TO ARRANGE FOR TEMPORARY RELOCATION OF STOP.
13. GUARDS SHALL BE OBTAINED BY CONTACTING THE METROPOLITAN POLICE DEPARTMENT SPECIAL EVENTS UNIT (PHONE # 828-3442) WHO WILL PROVIDE OFFICERS PROPERLY TRAINED IN TRAFFIC CONTROL. FEES FOR THE USE OF THESE OFFICERS SHALL BE SET BY METRO AND WILL BE PAID BY THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR ALL ARRANGEMENTS WITH METRO.
14. ANY WORK WITHIN 300' OF A SIGNALIZED INTERSECTION WILL BE NIGHT WORK, UNLESS DIRECTED BY THE CITY OF LAS VEGAS TRAFFIC ENGINEER.
15. THE CONTRACTOR SHALL CONTACT THE TRAFFIC ENGINEERING DIVISION (TRANSPORTATION SECTION) THROUGH THE PROJECTS OFFSITE INSPECTOR PRIOR TO INITIATING PAVING TO RECEIVE DIRECTION FOR ANY PERMANENT OR TEMPORARY MODIFICATIONS TO THE APPROVED DRAWINGS REGARDING FINAL PAVEMENT TRANSITIONS, MARKINGS AND SIGNING THAT ARE REQUIRED TO MATCH ADJACENT ROADWAY SEGMENTS. THE CONTRACTOR SHALL PROVIDE A DRAWING FOR APPROVAL BY THE TRAFFIC ENGINEERING DIVISION DEPICTING ANY ADJUSTMENTS TO THE FINAL PAVEMENT MARKINGS AND SIGNAGE, WHICH MAY INCLUDE OMITTING, ADDING OR MODIFYING PAVEMENT MARKINGS AND TRAFFIC CONTROL SIGNS SUCH THAT ADEQUATE TRANSITIONS AND LANE TERMINATIONS BETWEEN ADJACENT ROADWAY SEGMENTS ARE CONSTRUCTED.

REVISÉD JULY 13, 2013

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS AND THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA, AS AMENDED. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO BE AWARE OF THE CONTENTS OF THE ABOVE SPECIFICATIONS.
2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PERFORM CONSTRUCTION AS PER PLANS. ANY ADDITIONS, DELETIONS, OR CHANGES SHALL FIRST MEET WITH THE APPROVAL OF THE CITY PLANNING ENGINEER.
3. CHISEL "S" OR "G" IN CURBS WHERE SEWER OR GAS LATERALS PASS UNDER THE CURB.
4. POLYVINYL (PVC) SEWER PIPE SHALL MEET ASTM D 3034 SDR 35 SPECIFICATIONS, INSTALLED WITH SAND BEDDING AND BACKFILL OF TYPE II AGGREGATE BASE.
5. ALL MANHOLES PAVED IN STREETS EIGHTY (80) FOOT R/W AND LARGER SHALL HAVE CONCRETE COLLARS. STREETS LESS THAN EIGHTY (80) FOOT R/W WILL REQUIRE RETROFIT IF PAVING DOES NOT CONFORM TO CITY STANDARDS AT THE MANHOLE.
6. TEE SADDLES SHALL BE USED TO CONNECT SEWER LATERALS TO EXISTING MAIN LINES UP TO TWELVE INCH (12") DIAMETER. CONNECTIONS TO FIFTEEN INCH (15") OR LARGER MAINS SHALL REQUIRE SPECIAL PROCEDURES. IN LINE "Y" S SHALL BE USED ON LINES TWELVE INCHES (12") OR ABOVE.
7. WATER MAINS SHALL BE PROTECTED IN ACCORDANCE WITH LVWD STANDARDS WHENEVER A SEWER MAIN CROSSES OVER A WATER MAIN OR THE SEWER IS LESS THAN EIGHTEEN INCH (18") UNDER A WATER MAIN.
8. ALL CONTRACTORS INSTALLING SEWER MAINS THAT WILL BE UNDER THE JURISDICTION OF THE CITY OF LAS VEGAS MUST BE STATE OF NEVADA CLASS "A" CONTRACTORS.
9. THE CITY OF LAS VEGAS WILL NOT ACCEPT ANY SEWER MAINS WHICH HAVE A VERTICAL DEFLECTION OF MORE THAN ONE TENTH (0.1) OF A FOOT FROM THE APPROVED CONSTRUCTION PLANS AT ANY LOCATION. SEWER MAINS FOUND TO EXCEED THIS TOLERANCE WILL HAVE TO BE REPAIRED OR REMOVED OR REPLACED TO THE SATISFACTION OF THE CITY PLANNING ENGINEER PRIOR TO ACCEPTANCE BY THE CITY OF LAS VEGAS.
10. INSTALLATION OF CURVED SEWERS REQUIRES THE USE OF C-900 PVC PIPE WHICH ALLOWS FOR PIPE DEFLECTION AT THE JOINTS.

REVISÉ JANUARY 2008

LVVWD PROJECT # 122485

NO WORK SHALL BEGIN UNTIL THE WATER PLANS HAVE BEEN APPROVED FOR CONSTRUCTION BY THE LVVWD. FOLLOWING WATER PLAN APPROVAL, NOTICE SHALL BE GIVEN TO THE LVVWD COMMUNICATION SUPPORT CENTER (258-7171) TWO (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION. FOR FUTURE INSPECTIONS, NOTICE MUST BE GIVEN BY 2:00 P.M. THE BUSINESS DAY PRIOR TO THE REQUESTED LVVWD INSPECTION. WHEN REQUESTING INSPECTIONS, PLEASE REFER TO THE PROJECT# IDENTIFIED ABOVE.

ALL WORK SHALL CONFORM TO LVVWD STANDARD PLANS, DRAWINGS, AND SPECIFICATIONS, AND TO THE 2010 EDITION OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS). THE LATEST EDITION OF UDACS SHALL SUPERSEDE ANY CONFLICTS CONTAINED IN THE APPROVED DRAWINGS AND/OR SPECIFICATIONS.

ALL WORK, EXCEPT AS MODIFIED BY THESE PLANS OR BY NOTE 2 ABOVE, SHALL BE DONE IN ACCORDANCE WITH THE MOST RECENT DRAFT OR EDITION OF THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFFSITE IMPROVEMENT, CLARK COUNTY AREA.

A SINGLE PIPE SHALL BE USED THROUGHOUT THE PROJECT UNLESS OTHERWISE APPROVED BY THE LVVWD.

ALL SERVICE LATERALS TWO (2) INCHES IN DIAMETER AND SMALLER SHALL BE TYPE K COPPER TUBING WITH LVVWD APPROVED SERVICE SADDLES.

ALL WATER METER BOXES SHALL BE LOCATED OUTSIDE OF DRIVEWAY AREAS.

ALL VALVES SHALL BE LOCATED OUTSIDE OF DRIVEWAYS, VALLEY AND CURB GUTTERS.

ALL WATER AND STORM DRAIN OR SANITARY SEWER CROSSINGS SHALL CONFORM TO SECTION 2.22 OF THE 2010 EDITION OF THE UDACS.

ALL WATER FACILITIES SHALL BE FILLED, DISINFECTED, PRESSURE TESTED, FLUSHED, FILLED AND AN ACCEPTABLE WATER SAMPLE OBTAINED, PRIOR TO CONNECTION TO THE LVVWD DISTRIBUTION SYSTEM.

THE CONTRACTOR MUST OBTAIN ALL METERS TWO (2) INCHES AND SMALLER FROM LVVWD CENTRAL STORES. TELEPHONE 258-3152 OR 258-3802, TWO (2) WORKING DAYS PRIOR TO METER PICKUP.

ANY INTERRUPTION OF SERVICE MUST BE PERFORMED IN ACCORDANCE WITH UDACS SECTION 3.14.01, AND APPROVED BY THE LVVWD INSPECTION DIVISION PRIOR TO SHUTDOWN. PROPER WRITTEN NOTIFICATION MUST BE GIVEN TO ALL AFFECTED CUSTOMERS.

ALL WATER FACILITY CONSTRUCTION MATERIALS USED MUST AS BE LISTED ON THE LVVWD PRE-APPROVED MATERIALS AND MANUFACTURERS LISTING FOR NEW FACILITIES. LATEST REVISION, OR SPECIFICALLY APPROVED ON THESE PLANS.

TELEPHONE "CALL BEFORE YOU DIG" AT "811" OR 1-800-227-2600

—————	CENTERLINE		STORM DRAIN INLET
—— ———	RIGHT OF WAY LINE		STORM DRAIN MH
—————	PROPERTY LINE		STREET LIGHT
-----	AUTHORIZATION TO ENTER PROPERTY (AEP)		STREET LIGHT PB
—— ———	PATCH / SAWCUT LINE		TELEPHONE MH
	AREA LIGHT		TELEPHONE PB
	BENCHMARK		TRAFFIC SIGNAL POLE
	ELEC. VAULT/CABINET		TRAFFIC SIGNAL PB
	ELECTRIC MANHOLE		TV PULLBOX
	ELECTRIC METER		UTILITY POLE
	FIRE HYDRANT		UTILITY POLE GUY WIRE
	FOUND MONUMENT		VAULT
	GAS METER		WATER VAULT/CABINET
	GAS VALVE		WATER MANHOLE
	IRR. CONTROLLER		WATER METER
	IRR. VALVE		WATER VALVE
	LOOP DETECTOR		
	SANITARY SEWER MH		
	SET MONUMENT		
	SIDEWALK RAMP		
	SIGN		

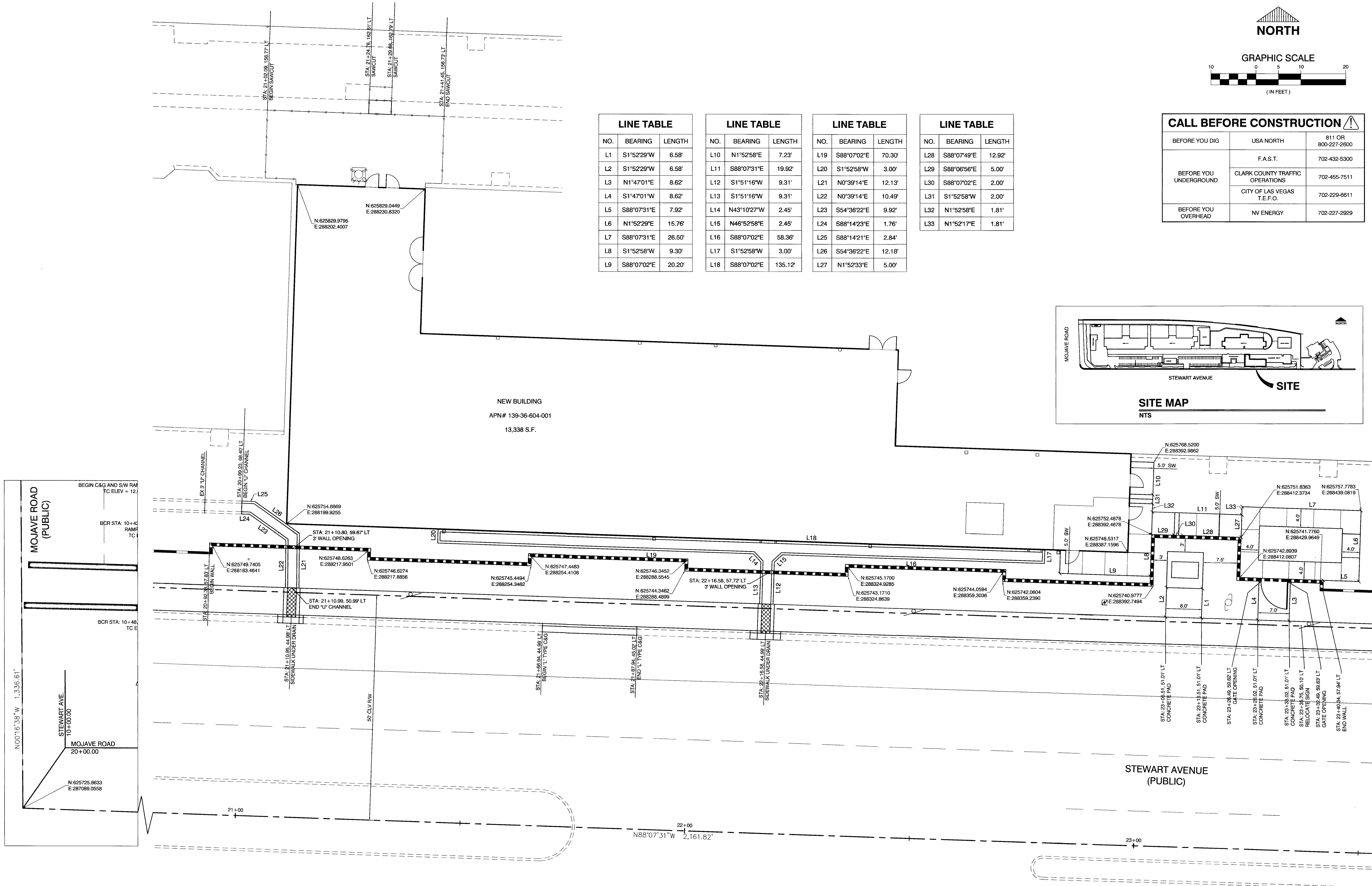
1	C-1	COVER SHEET
2	C-2	NOTES, LEGEND, VICINITY MAP AND SHEET INDEX
3	C-3	HORIZONTAL CONTROL PLAN
4	C-4	DEMOLITION PLAN
5	C-4.1	DEMOLITION PLAN
6	C-4.2	DEMOLITION PLAN
7	C-5	UTILITY PLAN
8	C-6	GRADING PLAN
9	C-6.1	SIDEWALK CONSTRUCTION PLAN
10	C-6.2	SIDEWALK CONSTRUCTION PLAN
11	C-7	CLV FIRE AND RESCUE NOTES AND DETAIL SHEET
12	C-8	DETAIL SHEET
13	C-9	DETAIL SHEET
14	C-10	CIVIL STRUCTURAL
15	C-11	DETAIL AND WALL GRADING DETAIL SHEET

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-6300
	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

A detailed street map of the North Las Vegas area. The map is oriented with North at the top. Major highways shown include I-15 running vertically on the right side, SR-163 running horizontally across the middle, and SR-50 running vertically on the left side. Numerous local streets are labeled, including Centennial, Cheyenne, Sahara, and others. The map is labeled with 'NORTH' at the top and 'SPRING Mtn' at the bottom. A large 'X' is drawn over the map, indicating a specific area of interest.

NOT TO SCALE

[illegible]



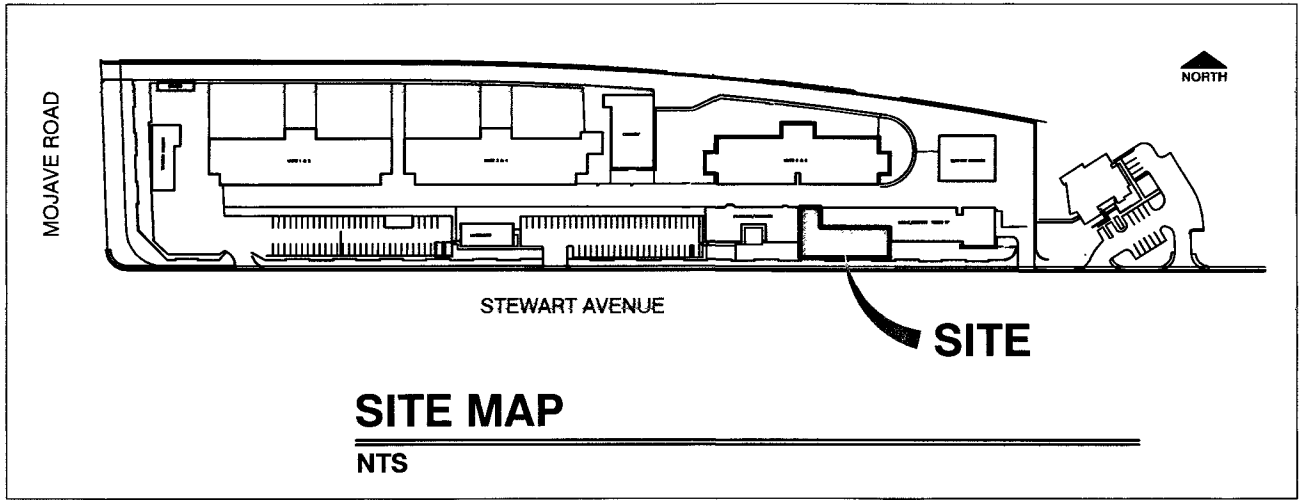
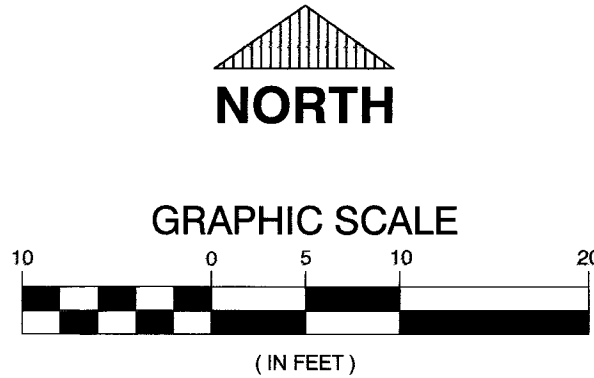
LINE TABLE		
NO.	BEARING	LENGTH
L1	S1°52'29"W	6.58'
L2	S1°52'29"W	6.58'
L3	N1°47'01"E	8.62'
L4	S1°47'01"W	8.62'
L5	S88°07'31"E	7.92'
L6	N1°52'29"E	15.76'
L7	S88°07'31"E	26.50'
L8	S1°52'58"W	9.30'
L9	S88°07'02"E	20.20'

LINE TABLE		
NO.	BEARING	LENGTH
L10	N1°52'58"E	7.23'
L11	S88°07'31"E	19.92'
L12	S1°51'16"W	9.31'
L13	S1°51'16"W	9.31'
L14	N43°10'27"W	2.45'
L15	N46°52'58"E	2.45'
L16	S88°07'02"E	58.36'
L17	S1°52'58"W	3.00'
L18	S88°07'02"E	135.12'

LINE TABLE		
NO.	BEARING	LENGTH
L19	S88°07'02"E	70.30'
L20	S1°52'58"W	3.00'
L21	N0°39'14"E	12.13'
L22	N0°39'14"E	10.49'
L23	S54°36'22"E	9.92'
L24	S88°14'23"E	1.76'
L25	S88°14'21"E	2.84'
L26	S54°36'22"E	12.18'
L27	N1°52'33"E	5.00'

LINE TABLE		
NO.	BEARING	LENGTH
L28	S88°07'49"E	12.92'
L29	S88°06'56"E	5.00'
L30	S88°07'02"E	2.00'
L31	S1°52'58"W	2.00'
L32	N1°52'58"E	1.81'
L33	N1°52'17"E	1.81'

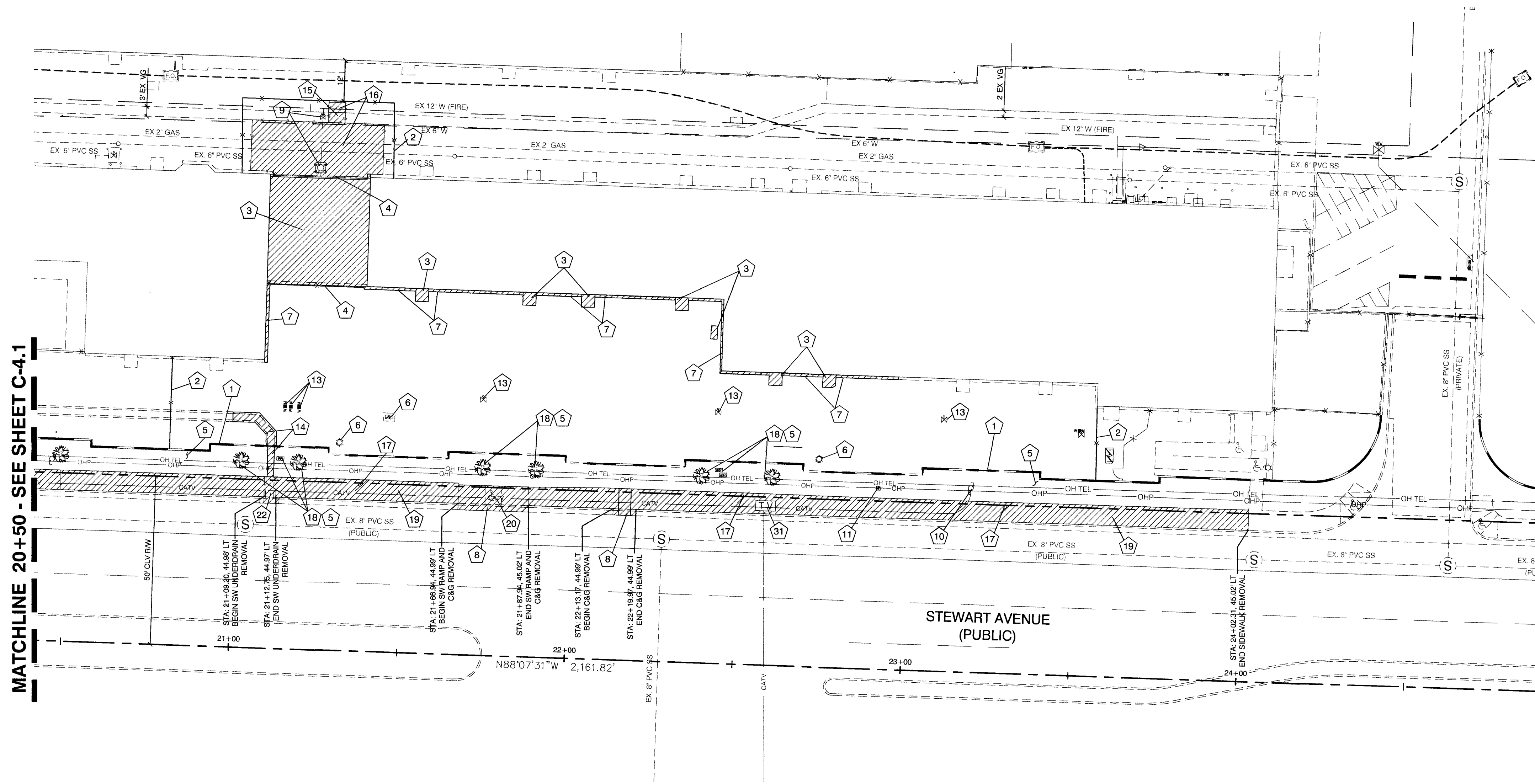
CALL BEFORE CONSTRUCTION		
BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
BEFORE YOU OVERHEAD	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
	NV ENERGY	702-227-2929



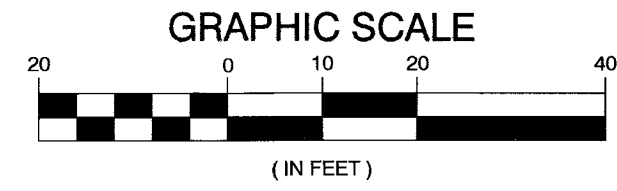
PREPARED BY
CITY OF LAS VEGAS
H# 48891
DESIGNED BY: HES
DRAWN BY: HES
CHECKED BY: RMM
SUBMITTAL STAGE: FINAL
DATE: MARCH 2015
H# 48891
DESIGNED BY: HES
DRAWN BY: HES
CHECKED BY: RMM
SUBMITTAL STAGE: FINAL
DATE: MARCH 2015

CLV DETENTION & ENFORCEMENT ISOLATION CELL ADDITION
HORIZONTAL CONTROL PLAN
SHEET C-3
3 OF 15
DRAWING NO. 513-552R
12/11/15
Randy M. McConnell
CIVIL
EXP. 12/31/2015
No. 016255
PROFESSIONAL ENGINEER
STATE OF NEVADA

DEPARTMENT OF PUBLIC WORKS
CAPITAL PROJECT MANAGEMENT
NO. DATE REVISIONS



MATCHLINE 20+50 - SEE SHEET C-4.1



DEMOLITION NOTES

- 1 REMOVE AND DISPOSE OF EXISTING BLOCK WALL - SEE SHEET C-3 FOR LIMITS OF REMOVAL
- 2 PRIOR TO ANY WORK ON THIS SITE THE CONTRACTOR SHALL INSTALL A HIGH TEMPORARY CHAIN LINK FENCE WITH BARBED WIRE AND RAZOR WIRE. USE CAUTION TO AVOID ANY UNDERGROUND UTILITIES. UPON COMPLETION THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF FENCE AND RESTORATION OF THE RUNWAY.
- 3 REMOVE AND DISPOSE OF EXISTING CONCRETE PAD
- 4 REMOVE AND DISPOSE OF EXISTING CHAIN LINK FENCE AND RAZOR WIRE
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- 6 REMOVE AND DISPOSE OF EXISTING ONSITE LIGHTING SYSTEM CONSISTING OF POLES, CONDUIT, CONDUCTORS AND PULL BOXES. SALVAGE EXISTING LUMINAIRES AND RETURN TO CLV FIELD OPERATIONS (ON-SITE). CONTACT FACILITIES FIELD SUPERVISOR STEVE WRIGHT AT 702-229-2448 FOR DELIVERY.
- 7 REMOVE AND DISPOSE OF EXISTING CONCRETE CURB ADJACENT TO EXISTING BUILDINGS - SAWCUT WHERE NECESSARY
- 8 REMOVE AND DISPOSE OF EXISTING CURB AND GUTTER.
- 9 PROTECT IN PLACE EXISTING FIRE HYDRANT AND VALVE
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- 31 PROTECT IN PLACE EXISTING CABLE TV PULL BOX.

LEGEND

 TO BE REMOVED

DEMOLITION GENERAL NOTES:

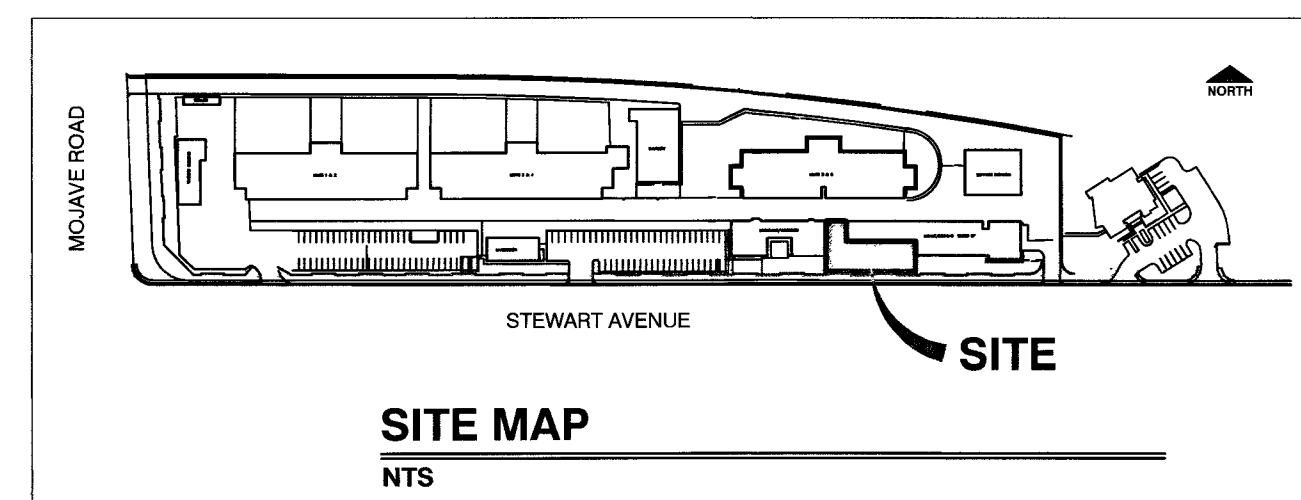
1. SEE HORIZONTAL CONTROL PLAN FOR ADDITIONAL REMOVAL LIMITS AND STATIONING.

UTILITY DISCLAIMER:

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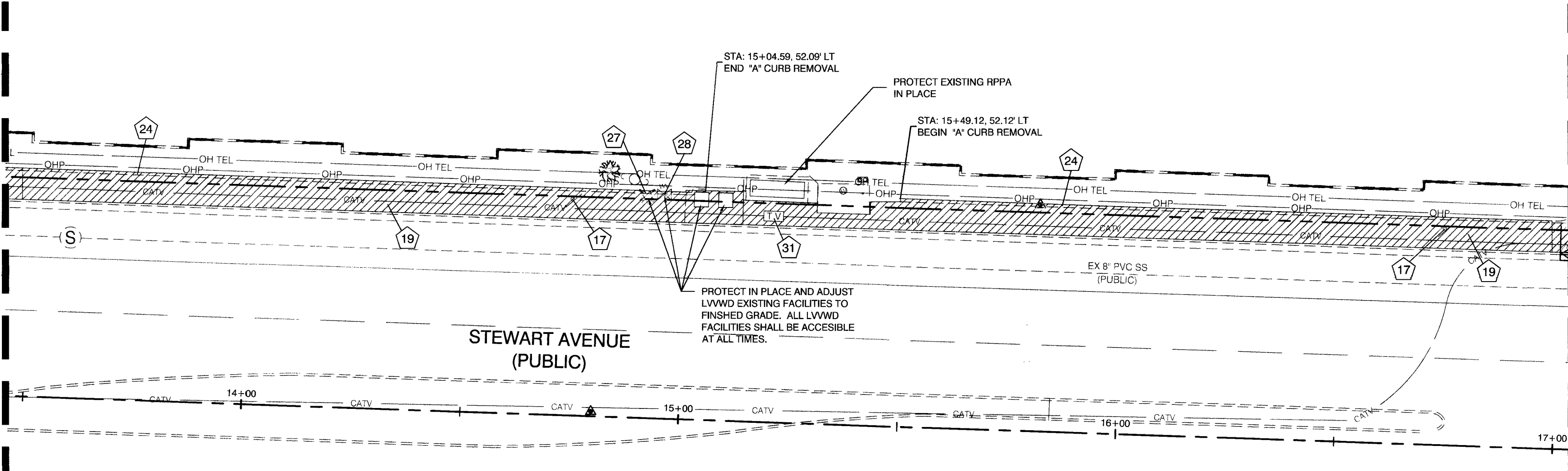
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	CITY OF LAS VEGAS T.E.F.O.	702-229-8611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929



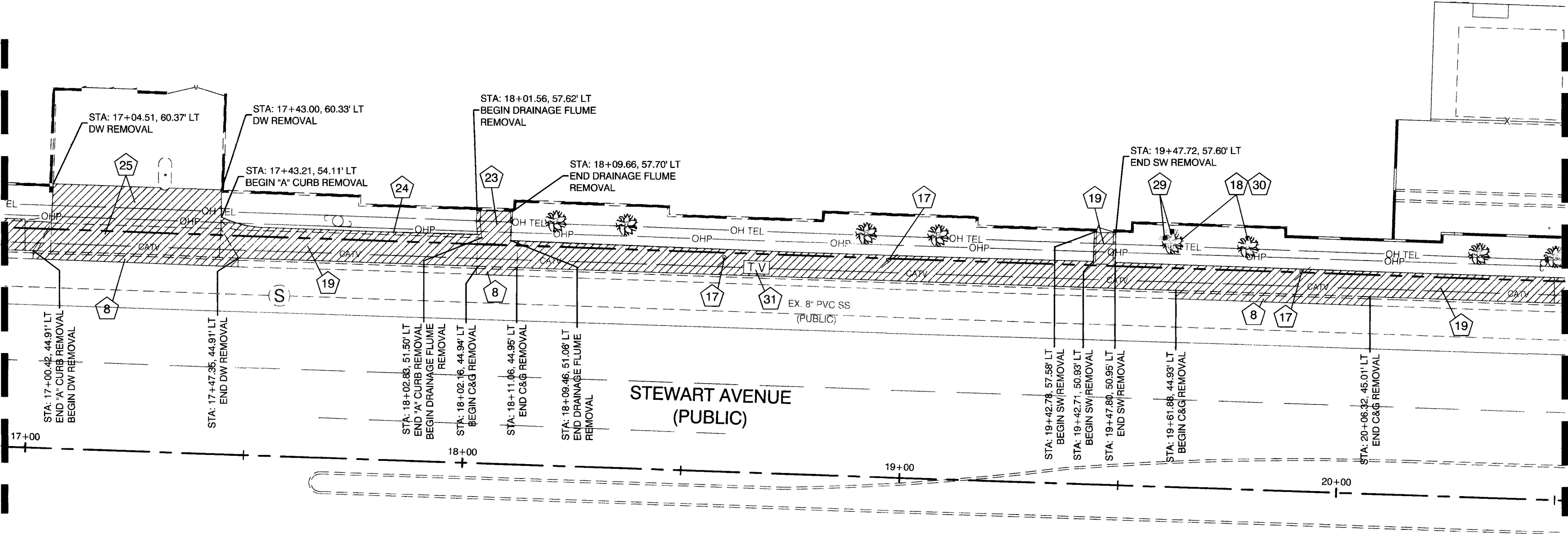
	C-4 4 OF 15 DRAWING NO. 513-552R		SHEET 	TITLE CLV DETENTION & ENFORCEMENT ISOLATION CELL ADDITION	PREPARED FOR CITY OF LAS VEGAS	ADDRESSED DEMOLITION VOTES FOR SIDEWALK R/W 08/17/15 REVISED SHEET NUMBER
	DEMOLITION PLAN					
	SUBMITTAL STAGE: FINAL					
	DESIGNED BY: HES DRAWN BY: HES CHECKED BY: RMM					
	BID # 13-48891-TB DATE: MARCH 2015					
SHEET			PREPARED BY 			DEPARTMENT OF PUBLIC WORKS CAPITAL PROJECT MANAGEMENT
NO.			DATE			
REVISIONS						

MATCHLINE 13+50 - SEE SHEET C-4.2

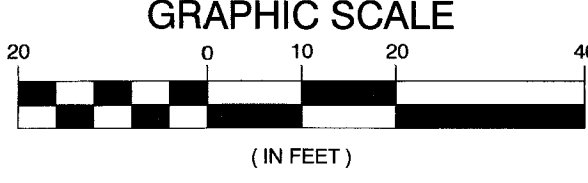


MATCHLINE 17+00 - SEE ABOVE LEFT

MATCHLINE - SEE BELOW RIGHT



MATCHLINE 20+50 - SEE SHEET C-4



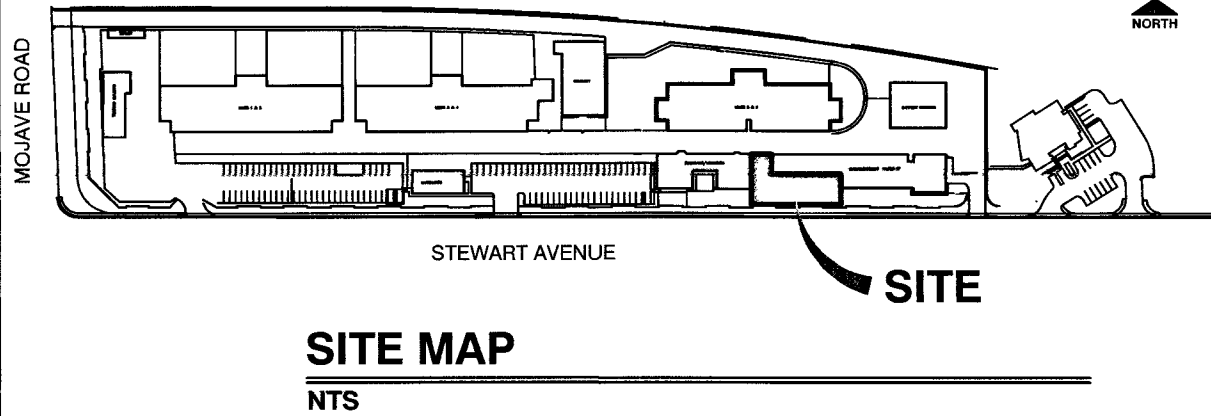
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LEGEND

 TO BE REMOVED

APPROVED FOR CONSTRUCTION
Y. D. SHARI FOR JSM
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER
DATE: 12/14/15 PROJECT# 122845



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	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
	NV ENERGY	702-227-2929

ADDED DEMOLITION SHEET FOR SW R/R

08/17/15

NO.

DATE

REVISIONS

PREPARED BY

CITY OF LAS VEGAS

BID# 13.48891-TB

DESIGNED BY: HES

DRAWN BY: HES

CHECKED BY: RMM

DATE: MARCH 2015

SUBMITTAL STAGE: FINAL

TITLE

CLV DETENTION & ENFORCEMENT ISOLATION CELL ADDITION

SHEET

DEMOLITION PLAN

PROFESIONAL SEAL

RANDY M. MCCONNELL

EXP. 12/31/2016

CIVIL

No. 016256

DATE: 12/14/15

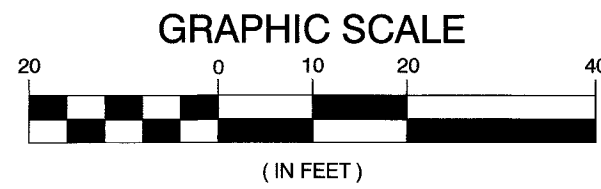
SHEET

C-4.1

5 OF 15

DRAWING NO.

513-55-ZR



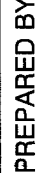
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	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929



PREPARED FOR

PREPARED FOR
CITY OF LAS VEGAS

H# 48691	BID# 13.48691-TB
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DATE: MARCH 2015	DESIGNED BY: HES
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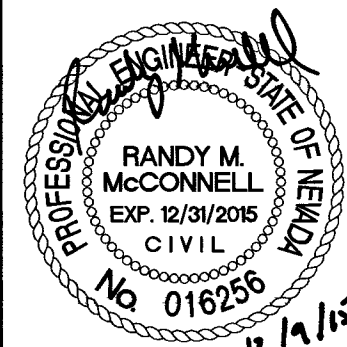
SUBMITTAL STAGE:	DRAWN BY: HES
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FINAL	CHECKED BY: RMM
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CLV DETENTION & ENFORCEMENT ISOLATION CELL ADDITION

SHEET

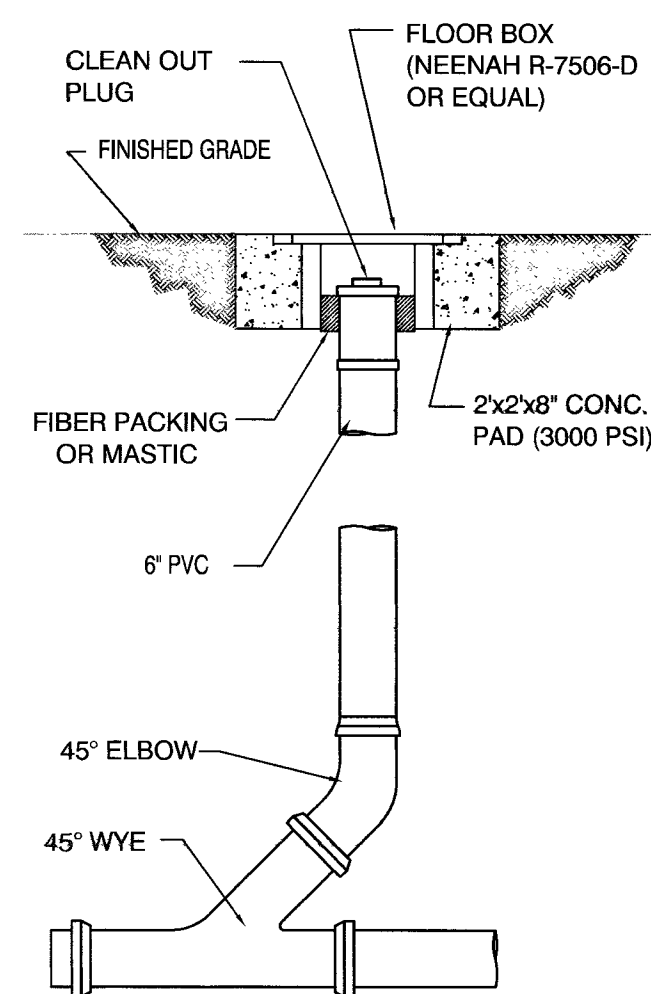
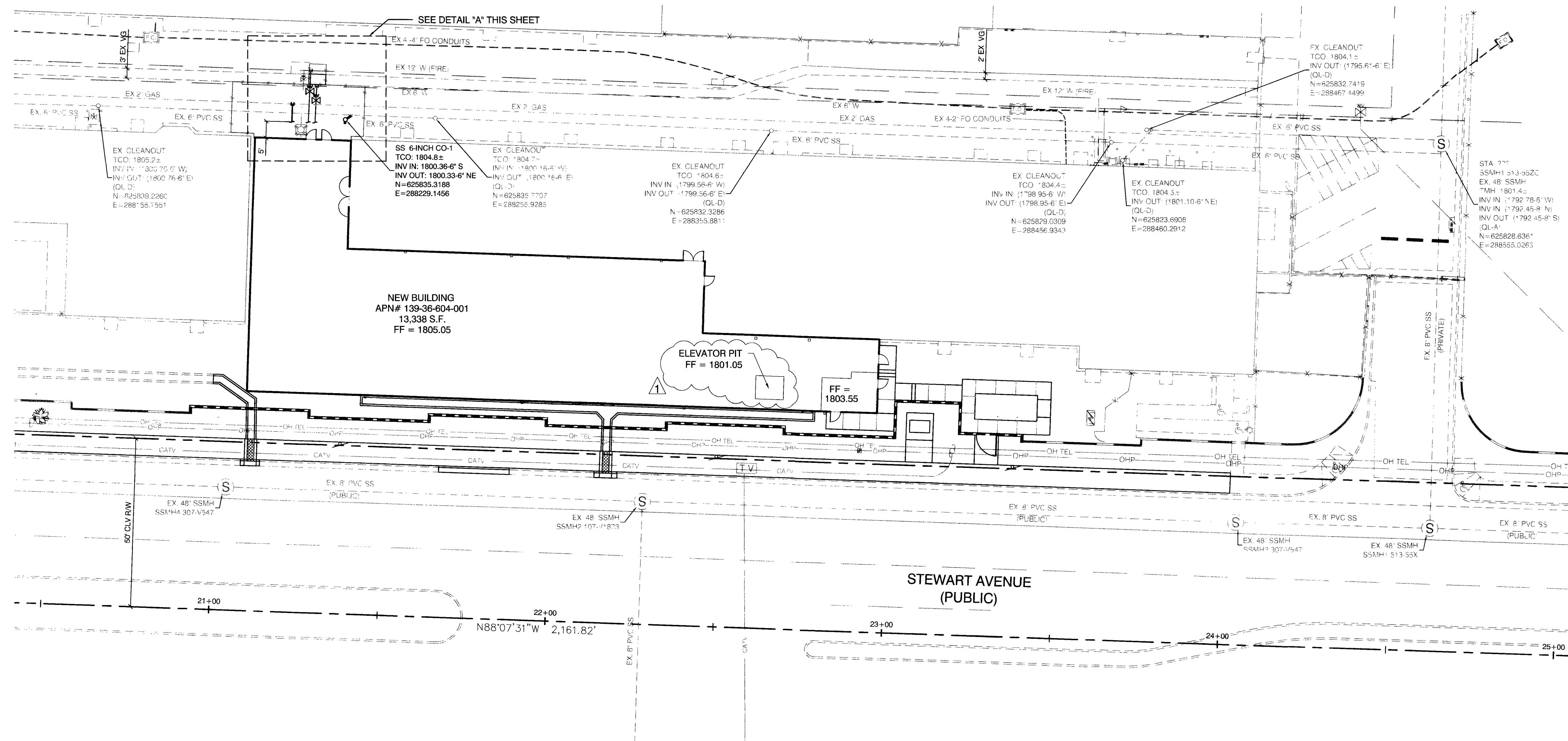
DEMOLITION PLAN



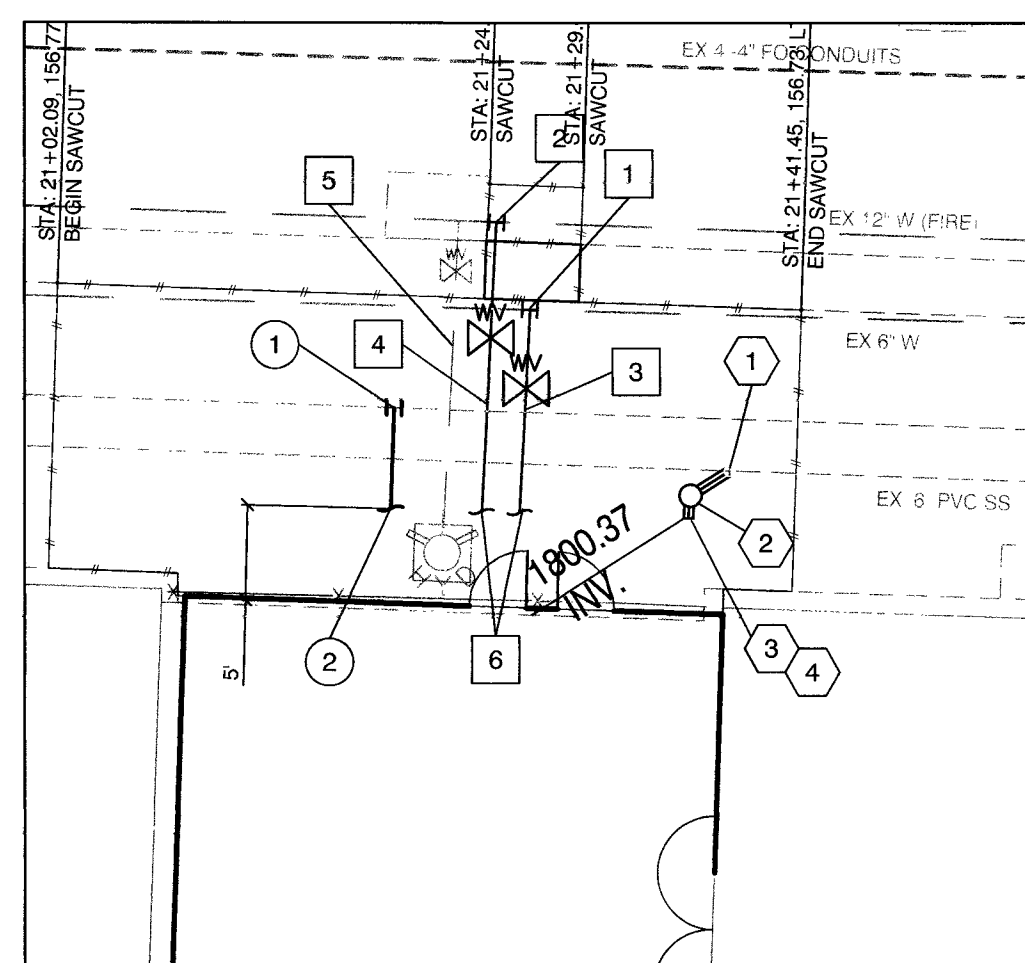
SH

1 **C-4.2**
6 OF 15
DRAWING NO.
513-55-ZF

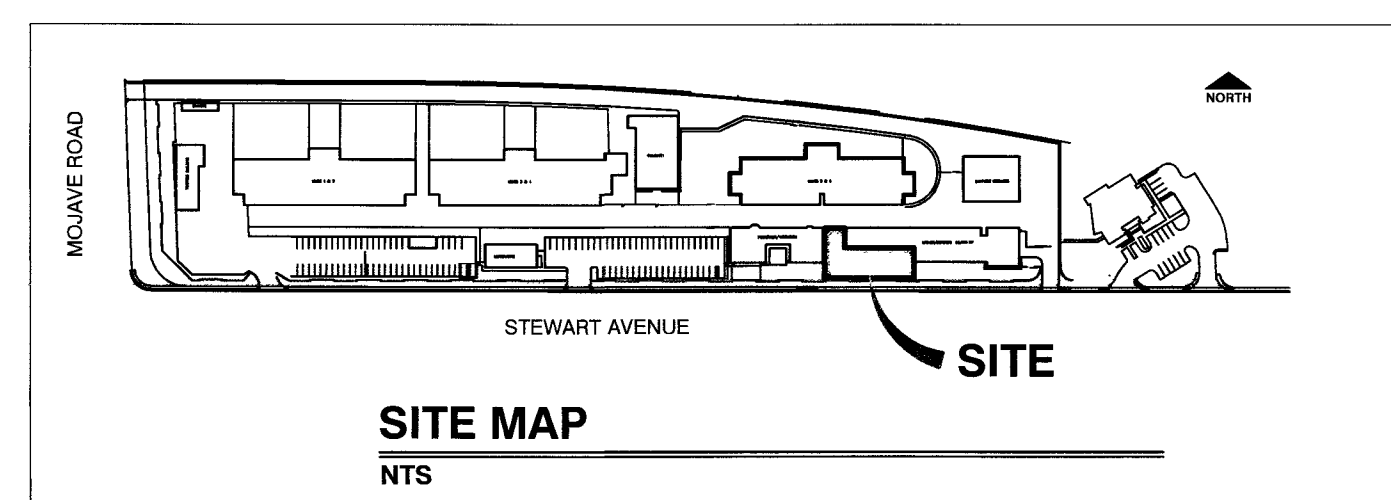
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NTS



SCALE 1" = 10'



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	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
BEFORE YOU OVERHEAD	NV ENERGY	702-227-2929

GENERAL NOTES:

1. SEE SHEET C-7 FOR CLV FIRE AND RESCUE NOTES
2. ALL ONSITE WATER MAINS ARE OWNED AND MAINTAINED BY THE CITY OF LAS VEGAS.

WATER CONSTRUCTION NOTES

1. INSTALL WET TAP WITH 2" TAPPING VALVE PER UDACS PLATE NO. 34 AND 39
2. INSTALL WET TAP WITH 6" TAPPING VALVE PER UDACS PLATE NO. 34 AND 39
3. INSTALL 2" PVC WATERLINE PER UDACS PLATE NO. 17
4. INSTALL 6" PVC WATERLINE PER UDACS PLATE NO. 17
5. PROTECT IN PLACE EXISTING FIRE HYDRANT AND LATERAL
6. SEE PLUMBING PLANS FOR CONTINUATION

GAS CONSTRUCTION NOTES

- ① TAP INTO EXISTING 2" GAS MAIN WITH 1" MEDIUM PRESSURE GAS LINE
- ② SEE PLUMBING PLANS FOR CONTINUATION

SEWER CONSTRUCTION NOTES

- 1 INSTALL 6" WYE
- 2 INSTALL 6" SANITARY SEWER CLEAN OUT PER DETAIL THIS SHEET
- 3 INSTALL 6" SDR-35 PVC SEWER LINE PER DCSWCS DWG NO SD-17
- 4 SEE PLUMBING PLANS FOR CONTINUATION

SEWER CONTRIBUTION FLOWS

AVERAGE DAILY FLOW: 0.00675 MGD

PEAK FLOW: 0.03000 MGD

FIRE FLOW CALCULATIONS

FIRE FLOW REQUIREMENT IS 4000 GALLONS PER MINUTE
@ 20 PSI RESIDUAL PRESSURE.

BASED ON:	<u>EXISTING</u>	<u>NEW</u>
SQUARE FOOTAGE:	<u>162,628</u> SQ. FT.	<u>13,338</u> SQ. FT.
LARGEST AREA BETWEEN 4-HOUR		
AURA SEPARATION FIRE WALLS:	<u>175,966</u> SQ. FT.	<u>N/A</u> SQ. FT.
BUILDING HEIGHT:	<u>27</u> FEET	<u>27</u> FEET
NUMBER OF STORIES:	<u>2</u> FLOOR(S)	<u>2</u> FLOOR(S)
TYPE OF CONSTRUCTION:	<u>II - B</u>	<u>II - B</u>
OCCUPANCY:	<u>I - 3</u>	<u>I - 3</u>

FULL AUTOMATIC
FIRE SPRINKLER SYSTEM: ☒ YES ☐ NO ☒ YES ☐ NO
REVIEWED BY: K. Smith 1 DATE: 12/9/15
LAS VEGAS FIRE & RESCUE

APPROVED FOR CONSTRUCTION

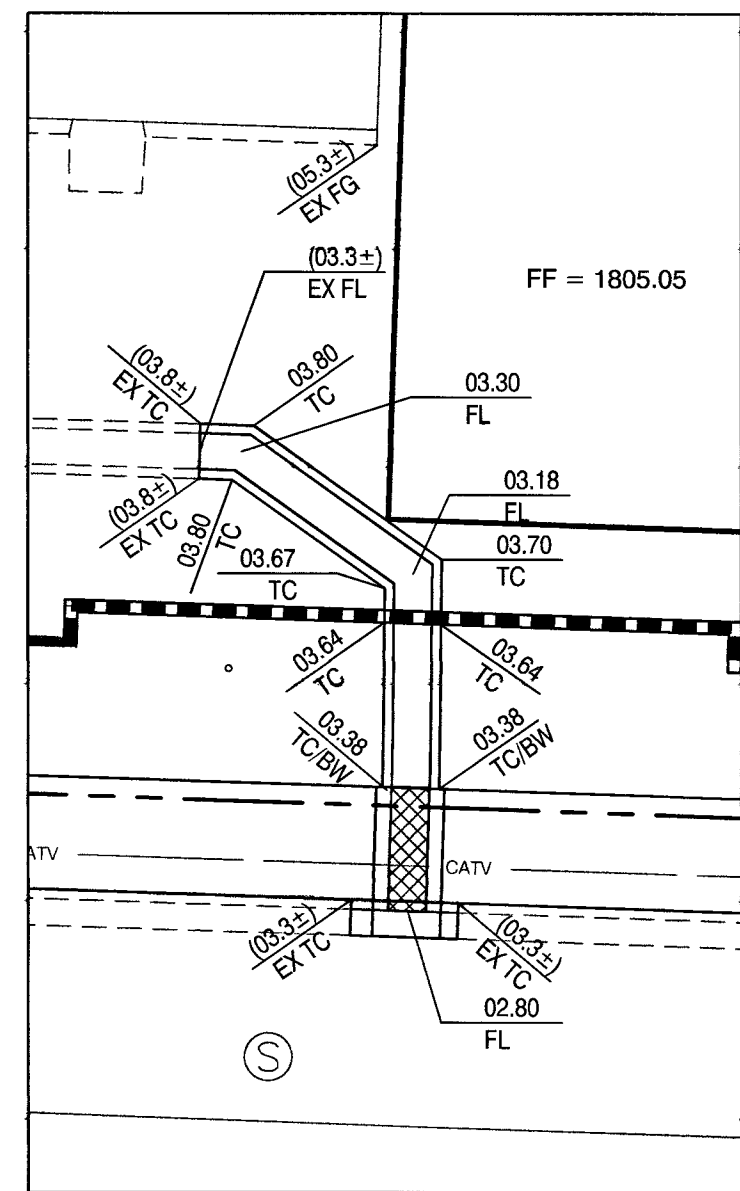
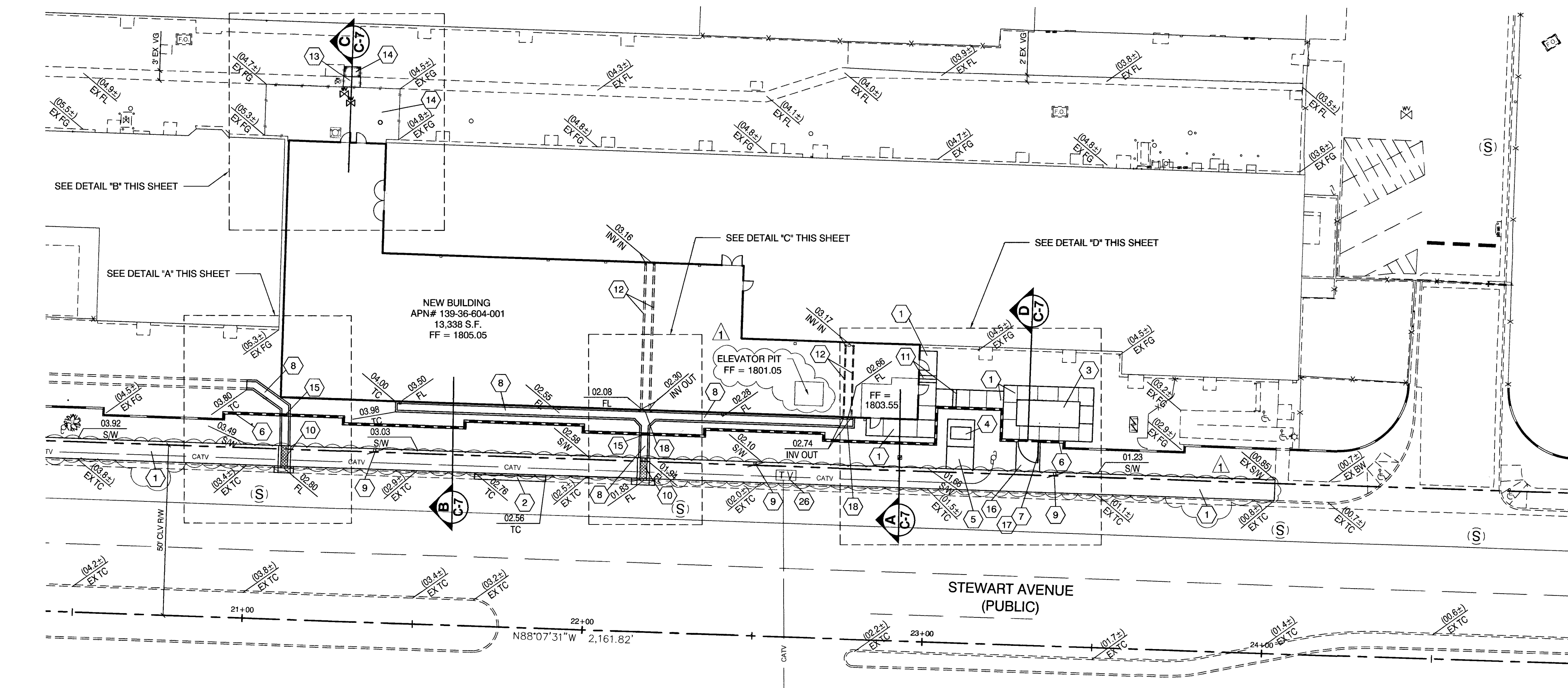
4 - DISAPPROVED

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

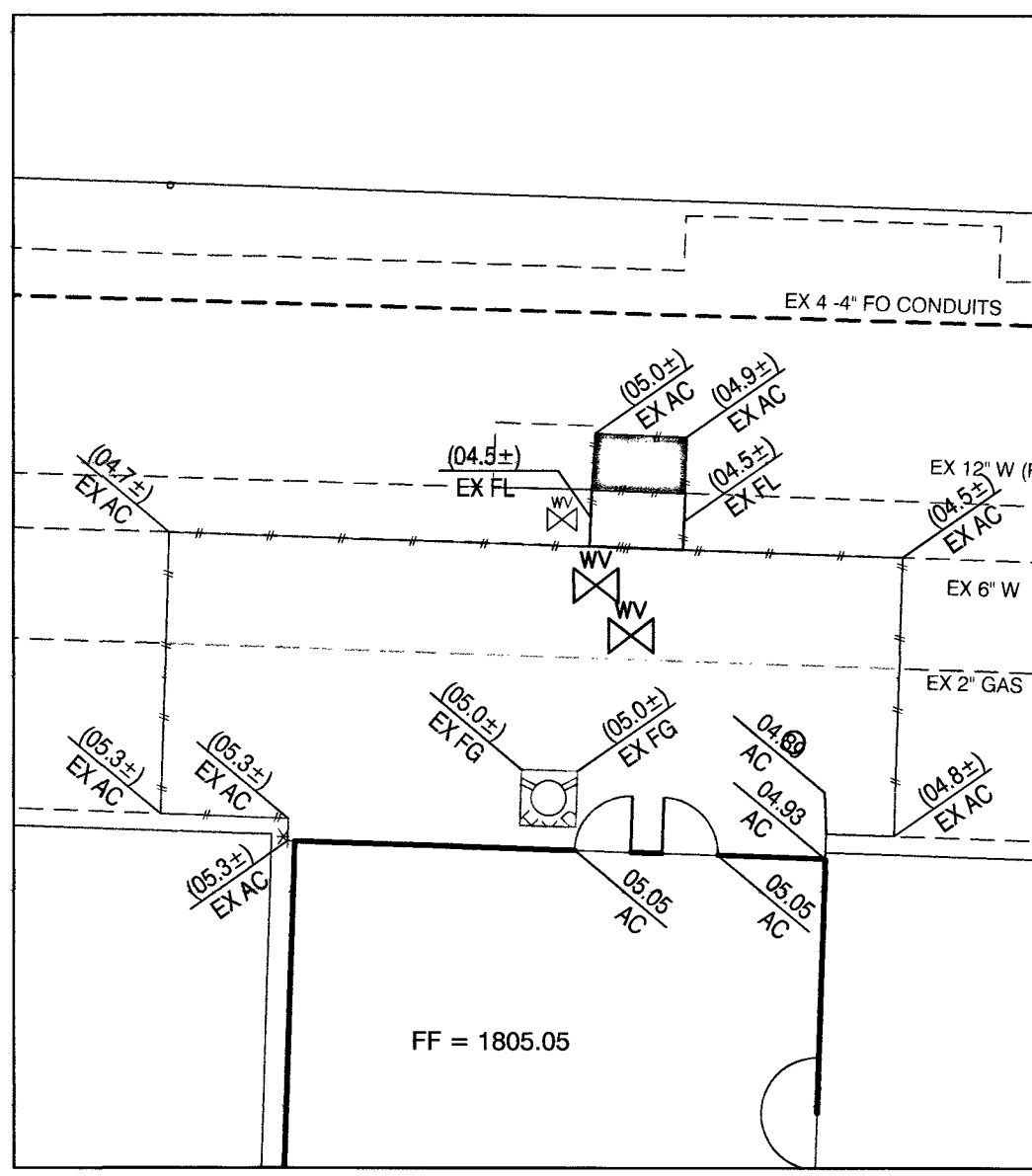
DATE: 12/14/15 PROJECT# 122845

TITLE	CLV DETENTION & ENFORCEMENT ISOLATION CELL ADDITION	SHEET	UTILITY PLAN	CITY OF LAS VEGAS PREPARED FOR	CITY OF LAS VEGAS LAS VEGAS CLV DETENTION & ENFORCEMENT ISOLATION CELL ADDITION	DESIGNED BY: HES	DRAWN BY: HES	CHECKED BY: RMM	NO.	DATE	REVISIONS
SHEET	C-5	7 OF 15	DRAWING NO. 513-552R	PREPARED BY	CITY OF LAS VEGAS LAS VEGAS CLV DETENTION & ENFORCEMENT ISOLATION CELL ADDITION	DESIGNED BY: HES	DRAWN BY: HES	CHECKED BY: RMM	NO.	DATE	REVISIONS
ADDED ELEVATOR PIT FF, REVISED SHT NUMBER											

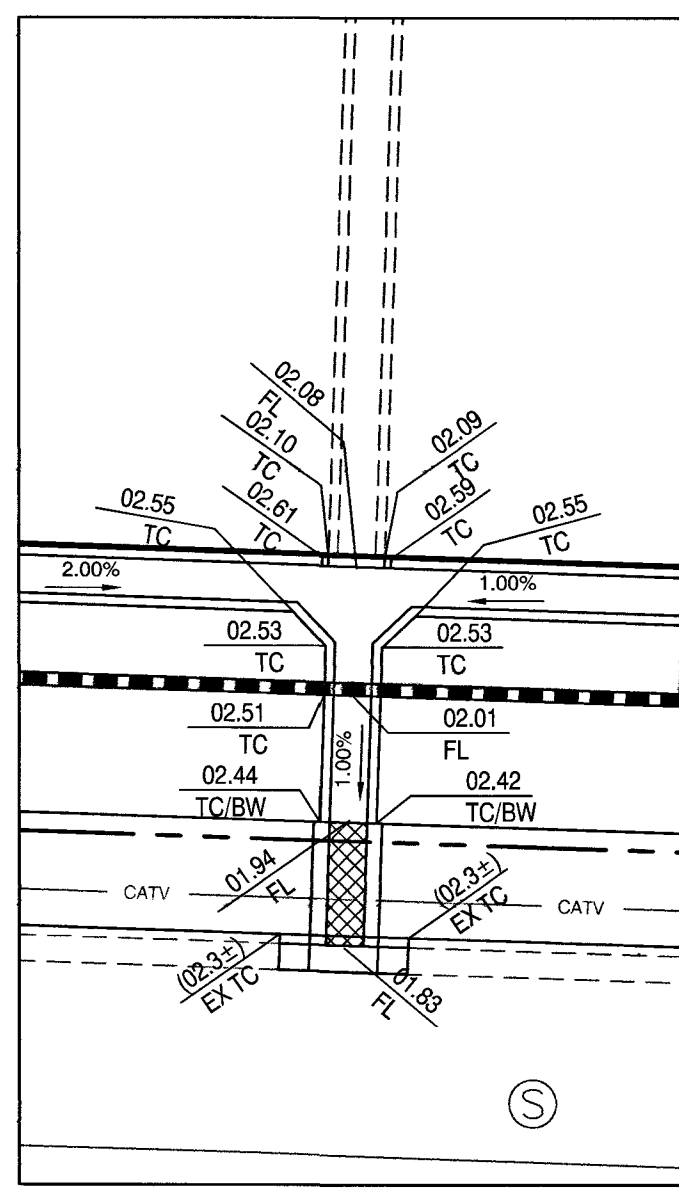
12/8/15 F:\P\K_ENG_DESIGN\DESIGN\PHASE II ADDITION\1. DESIGN\DAE_REV\1.120215.DWG



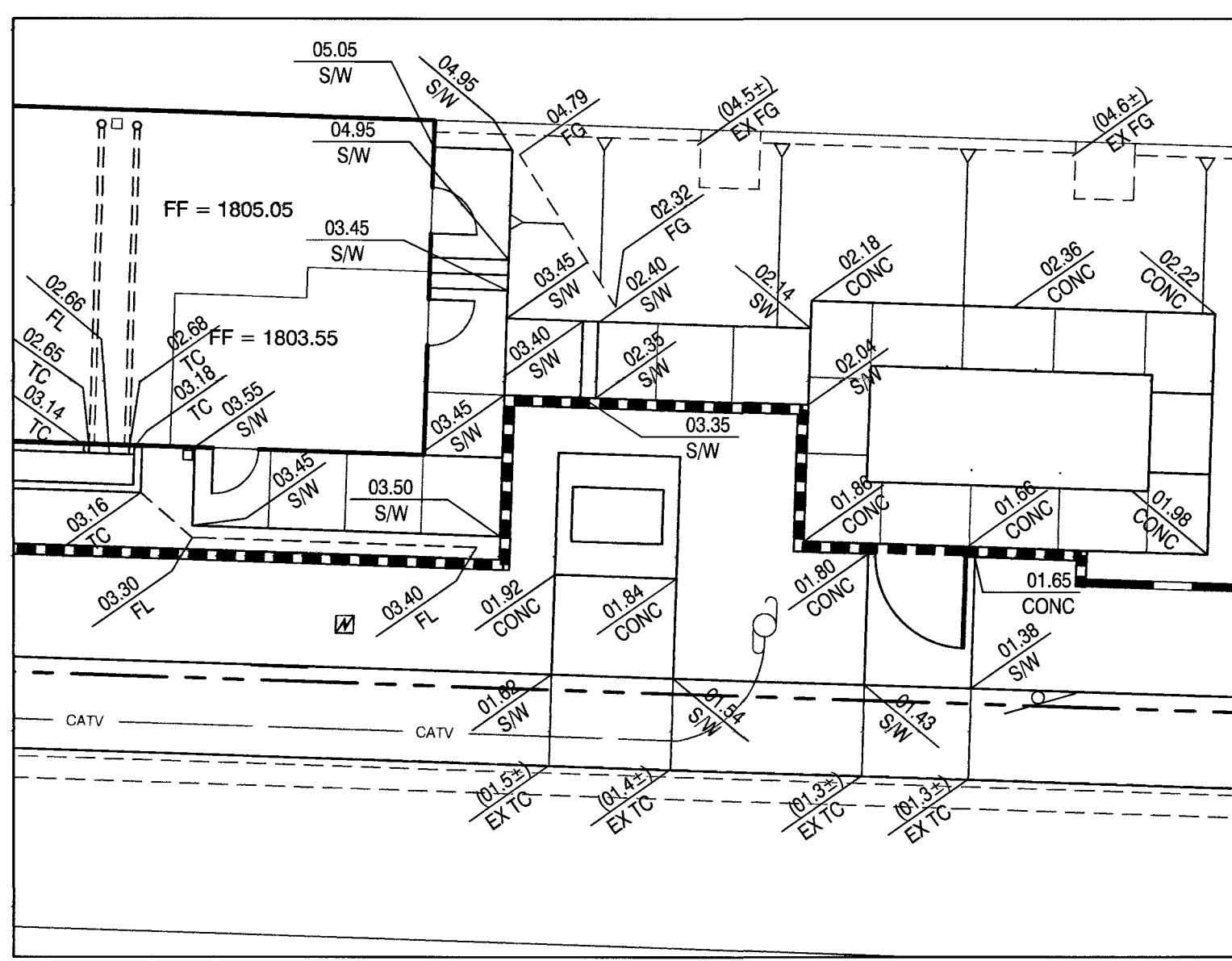
DETAIL "A"
SCALE 1"= 10'



DETAIL "B"
SCALE 1"= 10'



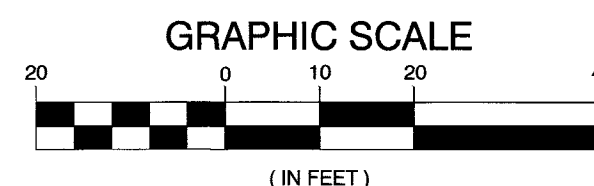
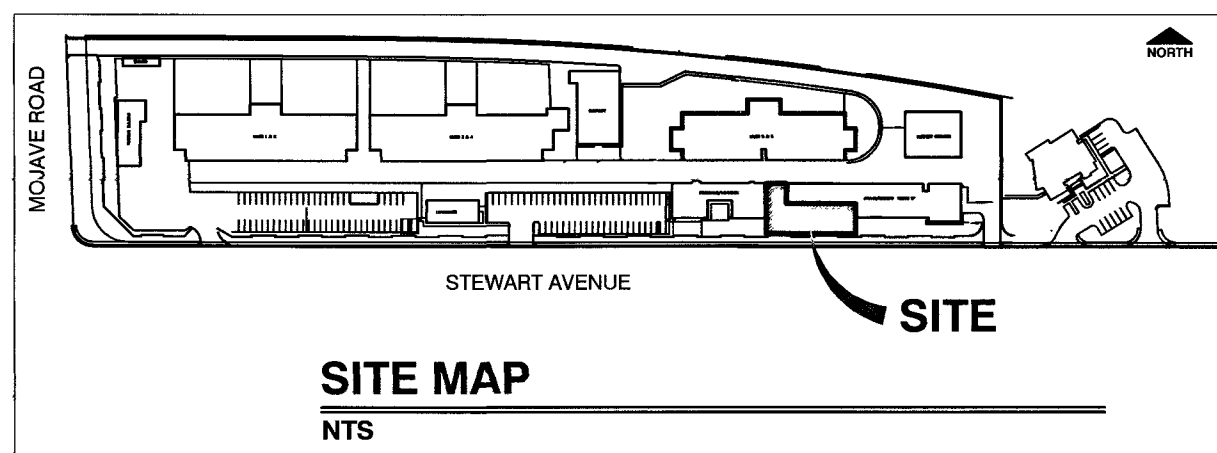
DETAIL "C"
SCALE 1"= 10'



DETAIL "D"
SCALE 1"= 10'

CALL BEFORE CONSTRUCTION

BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
BEFORE YOU OVERHEAD	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
	NV ENERGY	702-227-2929



GENERAL NOTES:

- CONTRACTOR SHALL FIELD VERIFY THE FINISHED FLOOR ELEVATIONS OF THE EXISTING UNIT 7 BUILDING WHERE THE NEW ADDITION TIES INTO THE EXISTING FINISHED FLOOR PRIOR TO CONSTRUCTION. IF ELEVATIONS DO NOT MATCH THE PROPOSED FINISHED FLOOR ELEVATION, THE CONTRACTOR MUST NOTIFY THE ENGINEER IMMEDIATELY BEFORE PROCEEDING WITH CONSTRUCTION.
- SEE STRUCTURAL PLANS FOR SITE PREPARATION OF BUILDING PAD.
- ALL GRADING WORK TO CONFORM TO THE SOILS REPORT FOR THIS SITE.
PREPARED BY: KLIENFELDER
JOB NUMBER: 134241
DATE: AUGUST 12, 2013
- SEE HORIZONTAL CONTROL PLAN FOR CONSTRUCTION LIMITS AND STATIONING.
- IT IS THE CONTRACTORS RESPONSIBILITY TO FILE A NOTICE OF INTENT/REQUEST TO BE INCLUDED IN THE STORM WATER GENERAL PERMIT, AND SUBMIT THE ASSOCIATED STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AS REQUIRED BY FEDERAL LAW, AND MONITORED BY THE NEVADA DIVISION OF ENVIRONMENTAL PROTECTION.

CONSTRUCTION NOTES

- CONSTRUCT 4" CONCRETE SIDEWALK PER USD #234 (SEE SHEET C-9).
- CONSTRUCT "L" TYPE CURB PER USD #216. MATCH EXISTING.
- CONSTRUCT 7.5' X 18.5' CONCRETE PAD FOR EMERGENCY GENERATOR SEE DETAIL 4 ON SHEET C-10
- SEE NV ENERGY PLAN (PROJECT ID #3000713594) TO CONSTRUCT TRANSFORMER PAD - TRANSFORMER TO BE INSTALLED BY NV ENGERGY
- CONSTRUCT 4" CONCRETE MAINTENANCE ACCESS PAD PER USD #234 (SEE SHEET C-9)
- INSTALL 12" HIGH CMU BLOCK WALL WITH RAZOR WIRE BARRIER MOUNTED ON TOP OF WALL PER DETAIL 1 ON SHEET C-8. ALSO SEE DETAIL 13 ON SHEET C-11 FOR WALL GRADING DETAIL
- INSTALL 6' X 7' MAINTENANCE ACCESS GATE PER DETAIL 2 ON SHEET C-8
- CONSTRUCT 3' WIDE CONCRETE "U" CHANNEL PER DETAIL 7 ON SHEET C-8
- RELOCATE EXISTING PARKING SIGNS AND INSTALL PER USD #249.1
- CONSTRUCT SIDEWALK DRAIN PER USD #236 (SEE SHEET C-9)
- CONSTRUCT CONCRETE STAIRS PER DETAIL 9 ON SHEET C-8
- PROPOSED ROOF DRAINS - SEE ARCHITECTURAL AND PLUMBING PLANS
- CONSTRUCT 3' VALLEY GUTTER PER DETAIL 8 ON SHEET C-8 MATCH EXISTING
- INSTALL 3" BITUMINOUS PAVEMENT OVER 6" TYPE II BASE - MATCH EXISTING ELEVATIONS
- PROVIDE 8' X 36" WALL OPENING SEE DETAIL 12 ON SHEET C-9 AND AND STRUCTURAL PLANS FOR DETAILS
- CONSTRUCT 6" CONCRETE MAINTENANCE ACCESS PAD PER DETAIL 10 ON SHEET C-9
- INSTALL RECESSED STRIKE FOR CANE BOLT FOR BOTH THE OPEN AND CLOSED POSITIONS PER DETAIL 3 ON SHEET C-8
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- INSTALL 4" BITUMINOUS PAVEMENT OVER 16" TYPE II BASE
- CONSTRUCT 2' WIDE VALLEY GUTTER PER DETAIL 16 ON SHEET C-11
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- PAINT 4" WIDE SOLID WHITE PAINT STRIPE FOR CHEVRONS WITH TYPE II WHITE TRAFFIC MARKING PAINT PER DETAIL 18 ON SHEET C-6.2.

LEGEND

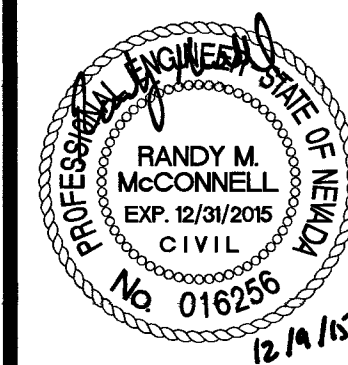
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PREPARED BY
CITY OF LAS VEGAS
CLV DETENTION & ENFORCEMENT
ISOLATION CELL ADDITION

DESIGNED BY: HES
DRAWN BY: HES
CHECKED BY: RMM
DATE: MARCH 2015
SUBMITTAL STAGE: FINAL

CLV DETENTION & ENFORCEMENT
ISOLATION CELL ADDITION

SHEET

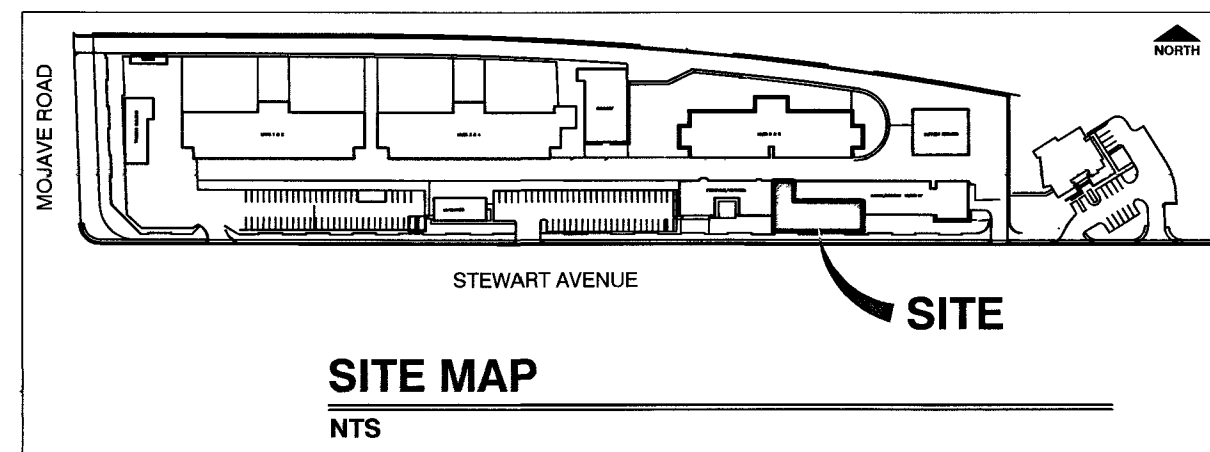


C-6
8 OF 15
DRAWING NO.
513-55-ZR



RESERVED PA
HANDICAPED
R8-7 (12" X 18")

CALL BEFORE CONSTRUCTION 		
BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
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PREPARED BY: KLIENFELDER
JOB NUMBER: 134241
DATE: AUGUST 12, 2013
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 EXISTING 12' HIGH CMU BLOCK WALL
 NEW 3' BITUMINOUS PAVEMENT OVER 6" TYPE II BASE
 NEW 4' BITUMINOUS PAVEMENT OVER 16" TYPE II BASE

		TITLE CLV DETENTION & ENFORCEMENT ISOLATION CELL ADDITION		PREPARED FOR CITY OF LAS VEGAS						ADDED CONSTRUCTION PLAN SHEET FOR SAW RP AND HC PARKING STALL	
SHEET C-6.1 9 OF 15		SHEET SIDEWALK CONSTRUCTION PLAN		BID# 13.48691-TB H# 48691 DATE: MARCH 2015 DESIGNED BY: HES SUBMITTAL STAGE: FINAL DRAWN BY: HES CHECKED BY: RMM		PREPARED BY		NO.		DATE	
DRAWING NO. 513-55-2F										REVISIONS	



CALL BEFORE CONSTRUCTION



GENERAL NOTES:

- PREPARED BY: KLIENFEE
JOB NUMBER: 134241
DATE: AUGUST 12, 2013

CONSTRUCTION NOTES

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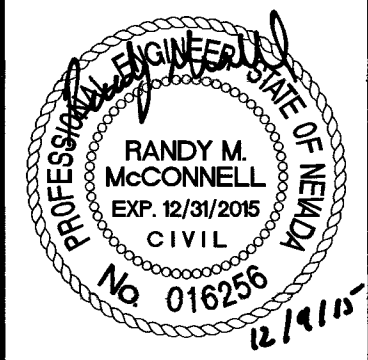
LEGEND

-  PROPOSED 12' HIGH CMU BLOCK WALL WITH MOUNTED RAZOR WIRE BARRIER
 EXISTING 12' HIGH CMU BLOCK WALL
 NEW 3' BITUMINOUS PAVEMENT OVER 6" TYPE II BASE
 NEW 4' BITUMINOUS PAVEMENT OVER 16" TYPE II BASE

	PREPARED BY _____		DATE _____		REVISIONS _____
	DEPARTMENT OF PUBLIC WORKS CAPITAL PROJECT MANAGEMENT				
ADDITIONAL CONSTRUCTION PLAN SHEET FOR S/W R/W AND HC PARKING STALL DETAIL			08/17/15		

PREPARED FOR CITY OF LAS VEGAS	H# 48961	BID# 13-48961-TB
	DATE: MARCH 2015	DESIGNED BY: HES
	SUBMITTAL STAGE:	DRAWN BY: HES
	FINAL	CHECKED BY: RMM

CLV DETENTION & ENFORCEMENT ISOLATION CELL ADDITION	TITLE
SIDEWALK CONSTRUCTION PLAN	SHEET



SHEET
1 C-6.2
10 OF 15
DRAWING NO.
513-55-ZR

- ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE LAS VEGAS FIRE AND RESCUE ADOPTED FIRE CODE ORDINANCE #6325 FOR HYDRANT SPECIFICATIONS AND HYDRANT INSTALLATION SPECIFICATIONS.
2. AUTHORIZED FIRE HYDRANTS ARE AS FOLLOWS;
KENNEDY - GUARDIAN MODELS K81A AND K81D
MUELLER - SUPER CENTURION 250, MODEL A-423
CLOW - MEDALLION MODEL F-2548LVD
U.S.PIPE - METROFLOW/M-03
3. A PERMIT IS REQUIRED FROM LAS VEGAS FIRE AND RESCUE FOR THE INSTALLATION OF ON-SITE WATER LINES AND FIRE HYDRANTS. THE PERMIT AND CONTRACTORS MATERIAL TEST CERTIFICATE FOR UNDERGROUND PIPING FORM SHALL BE OBTAINED FROM THE FIRE PROTECTION ENGINEER BEFORE COMMENCEMENT OF WORK. IFC § 105.7.12
4. ON ANY RESIDENTIAL OR COMMERCIAL INSTALLATIONS, FIRE HYDRANTS SHALL BE INSTALLED AND FIRE APPARATUS ACCESS ROADS SHALL BE MAINTAINED BEFORE COMMENCEMENT OF ANY COMBUSTIBLE CONSTRUCTION. ALL FIRE HYDRANTS SHALL BE IN GOOD WORKING ORDER AND SHALL BE CAPABLE OF DELIVERING THE REQUIRED FIRE FLOW. IFC § 3310, § 3312
5. TO IDENTIFY THE FIRE HYDRANT LOCATIONS, THE CONTRACTOR SHALL PLACE A BLUE REFLECTIVE MARKER AT THE CENTER LINE OF THE STREET ADJACENT TO THE FIRE HYDRANTS. IFC § 507.5.7.3
6. ALL UNDERGROUND INSPECTIONS, PRESSURE AND FLUSH VERIFICATIONS OF ALL FIRE HYDRANTS AND FIRE LINES, SHALL BE CONDUCTED BEFORE COVERING THE LINES. CENTER LOADING IS ACCEPTABLE FOR THE HYDRO TESTS WITH PRIOR FIRE PREVENTION APPROVAL. IFC § 106.3
7. ALL ON-SITE UNDERGROUND WATER MAINS AND MATERIALS SHALL BE U.L. LISTED, A.W.W.A APPROVED AND SHALL BE RATED FOR THE APPROPRIATE WORKING PRESSURE. IFC § 507.2.1, NFPA 24
8. PAINTING OF CURBS, FIRE HYDRANTS, PADS, PROTECTION OF FIRE HYDRANTS FROM PHYSICAL DAMAGE, AND ALL OTHER WORK NECESSARY PER PLANS SHALL BE COMPLETED BEFORE APPROVAL BY LAS VEGAS FIRE AND RESCUE, FIRE PREVENTION DIVISION. IFC § 507
9. PRIVATE HYDRANTS SHALL BE PAINTED RED. IFC § 507.5.7.1
10. PRIOR TO THE FINAL OCCUPANCY, A FIRE FLOW TEST SHALL BE WITNESSED BY LAS VEGAS FIRE AND RESCUE, FIRE PREVENTION DIVISION TO VERIFY AVAILABILITY OF THE REQUIRED FIRE FLOW. IFC § 507
11. FIRE HYDRANT SPACING SHALL BE AS FOLLOWS: IFC § C102
RESIDENTIAL - 500 FT UNSPRINKLERED; 600 FT SPRINKLERED.
COMMERCIAL - 300 FT UNSPRINKLERED; 400 FT SPRINKLERED.
12. WHERE THE WATER MAINS ARE EXTENDED ALONG STREETS OR NEW STREETS ARE INSTALLED WHERE FIRE HYDRANTS ARE NOT NEEDED FOR PROTECTION OF THE STRUCTURES, FIRE HYDRANTS SHALL BE INSTALLED AT A MAXIMUM OF 1000 FT SPACING, TO PROVIDE FOR TRANSPORTATION HAZARDS. WHERE STREETS ARE PROVIDED WITH MEDIAN DIVIDERS OR HAVE FOUR (4) OR MORE TRAFFIC LANES AND HAVE A TRAFFIC COUNT OF MORE THAN 100 PER DAY, HYDRANTS ARE REQUIRED ON EACH SIDE OF THE STREET SPACED AT 500 FT ON AN ALTERNATING BASIS. IFC § C102.8
13. NO FIRE HYDRANTS SHALL BE LOCATED WITHIN THE RADIUS OF A CUL-DE-SAC OR WITHIN 20 FT OF THE PERIMETER OF THE RADIUS OF THE CUL-DE-SAC.
14. NO FIRE HYDRANTS SHALL BE LOCATED WITHIN 6 FT OF ANY CURB RETURN, DRIVEWAY, POWER POLE, STREETLIGHT OR ANY OTHER OBSTRUCTION. IFC § C102.12
15. A MAXIMUM DISTANCE FROM A FIRE HYDRANT TO A ONE-TWO FAMILY DWELLING SHALL NOT EXCEED 300 FT, AS MEASURED BY AN APPROVED ROUTE. IFC § 102.4
16. THE MAXIMUM DISTANCE FROM A FIRE HYDRANT TO A FIRE DEPARTMENT CONNECTION (FDC) SHALL NOT EXCEED 100 FT, AS MEASURED BY AN APPROVED ROUTE. IFC § C102.7
17. THE MAXIMUM DISTANCE FROM A HYDRANT TO THE END OF A DEAD-END STREET SHALL NOT EXCEED 200 FT. IFC § C102.6
18. TWO (2) SOURCES OF SUPPLY ARE REQUIRED WHENEVER THERE IS 4 OR MORE FIRE HYDRANTS. SINGLE LINE INGS ARE INSTALLED ON A SINGLE SYSTEM. SECTIONAL CONTROL VALVES SHALL BE INSTALLED SO THAT NO MORE THAN 2 FIRE HYDRANTS CAN BE OUT OF SERVICE DUE TO A BREAK IN A WATER MAIN. IFC § C104
19. ALL FIRE APPARATUS ACCESS ROADS SHALL BE PAVED TO PROVIDE ALL-WEATHER DRIVING CAPABILITIES, AND SHALL BE DESIGNED AND MAINTAINED TO SUPPORT THE IMPOSED LOADS OF THE FIRE APPARATUS. IFC § 503.2.3
20. THE GRADIENT FOR THE FIRE APPARATUS ACCESS ROADS SHALL NOT EXCEED 12%. ANGLES OF APPROACH AND ANGLES OF DEPARTURE SHALL NOT EXCEED 6% FOR 25 FT PRIOR TO OR AFTER THE GRADE CHANGE. ADJACENT TO THE STRUCTURES GRADIENT SHALL NOT EXCEED 6%. IFC § 503.2.7, 503.2.8
21. THE TURNING RADIUS OF THE FIRE APPARATUS ACCESS ROADS SHALL BE NO LESS THAN 52 FT OUTSIDE AND 28 FT INSIDE TURNING RADIUS. IFC § 503.2.4
22. VERTICAL CLEARANCE OF ALL FIRE APPARATUS ACCESS ROADS SHALL NOT BE LESS THAN 13FT 6 INS. IFC § 503.2.1.
23. FIRE DEPARTMENT ACCESS ROADS SHALL HAVE A MINIMUM UNOBSTRUCTED WIDTH OF NOT LESS THAN 40 FT FLOW LINE TO FLOW LINE WITH PARALLEL PARKING PERMITTED ON BOTH SIDES. NOT LESS THAN 32 FT WIDE, FLOW LINE TO FLOW LINE, WHERE PARKING IS PERMITTED ONLY ON ONE SIDE OF THE FIRE APPARATUS ACCESS ROAD. NOT LESS THAN 24 FT WIDE, FLOW LINE TO FLOW LINE, WHERE NO PARKING IS PERMITTED ON EITHER SIDE. FIRE Lanes THROUGHPARKING LOTS SHALL BE NOT LESS THAN 24 FT. IFC § 503.2.1, 1
24. A FIRE APPARATUS ACCESS ROAD SHALL BE REQUIRED WHEN ANY PORTION OF AN EXTERIOR WALL OR FIRST STORY IS LOCATED MORE THAN 150 FT FROM A FIRE DEPARTMENT VEHICLE ACCESS. THIS DISTANCE COULD BE INCREASED TO 250 FT IF THE BUILDING IS SPRINKLERED. IFC § 503.1.1
25. APPROVED SECONDARY FIRE APPARATUS ACCESS SHALL BE PROVIDED FOR 100 OR MORE DWELLING UNITS, ROAD(S) WITH DEAD-ENDS OR WITH A SINGLE POINT OF ACCESS IN EXCESS OF 600 FT. COMMERCIAL AND INDUSTRIAL DEVELOPMENTS WHERE BUILDINGS EXCEED 2 STORIES OR 30 FEET IN HEIGHT, OR EXCEEDING 62,000 SQUARE FEET IN AREA. IFC § 503.1.2
26. ALL DEAD-END FIRE APPARATUS ROADS AND/OR FIRE LANES, PUBLIC OR PRIVATE, IN EXCESS OF 150 FT IN LENGTH SHALL BE PROVIDED WITH AN APPROVED TURN AROUND HAVING A MINIMUM DIAMETER OF 81 FT. IFC § 503.2.5
27. ALL FIRE APPARATUS ACCESS ROADS SHALL BE MARKED BY PLACING APPROVED SIGNS AT THE START OF THE DESIGNATED FIRE LANE, ONE SIGN AT THE END OF THE FIRE LANE AND WITH SIGNS AT INTERVALS OF 100 FT ALONG THE DESIGNATED FIRE LANES. SIGNS TO BE PLACED ON BOTH SIDES OF AN ACCESS ROADWAY IF NEEDED TO PREVENT PARKING ON EITHER SIDE. SIGNS TO BE INSTALLED NO HIGHER THAN 10 FT OR LESS THAN 6 FT FROM THE ROADWAY LEVEL. THE CURB ALONG OR ON THE PAVEMENT OR CEMENT (IF NO CURB IS PROVIDED) SHALL BE PAINTED WITH A RED WEATHER RESISTANT PAINT IN ADDITION TO THE SIGNS. IFC § 503.3
28. ELECTRICALLY CONTROLLED ACCESS GATES SHALL BE PROVIDED WITH AN APPROVED EMERGENCY VEHICLE DETECTOR/RECEIVER SYSTEM. SAE SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE IFC § 503.6 AND IFC APPENDIX M.

[illegible]

A
C-7 NTS

FF = 1803.55

4.20% MAX
1.0% MIN

3' AC PAVEMENT PATCH
OVER 6' TYPE II BASE

3' WIDE VALLEY GUTTER
PER DETAIL 8 ON SHEET C-8

C
C-7 NTS

E
C-7 NTS

[illegible]

B
C-7 NTS

[illegible]

D
C-7 **NTS**

STEWART AVE.
100' CLV R/W

6' S/W

LS AREA - VARIES
9.0' MAX - 6.85' MIN

4" CONCRETE
OVER 6" TYPE II
PER USD #234

EX. "L" CURB

2.00%

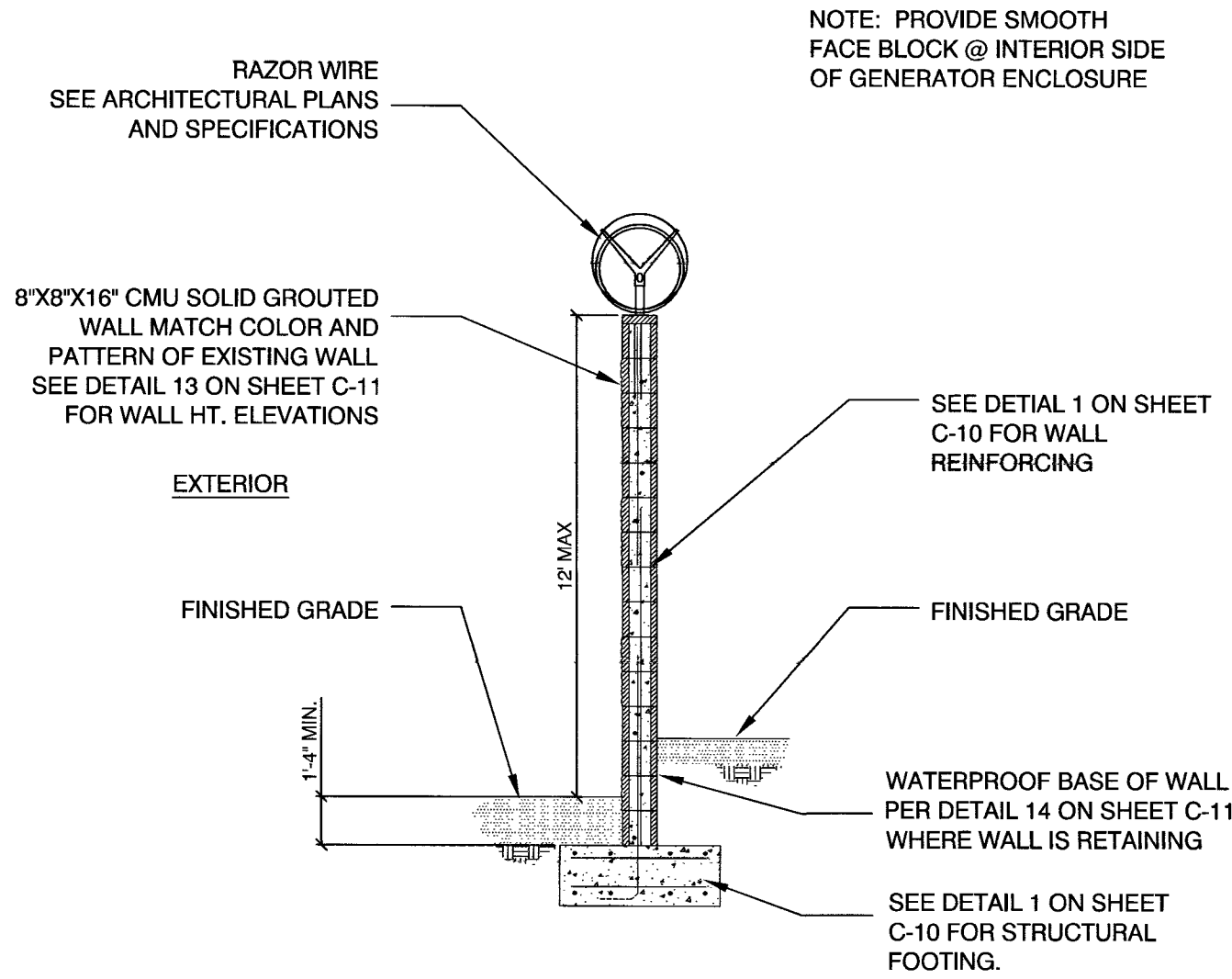
EX GRADE
VARIES

MODIFIED "A" CURB PER
DETAIL 15 ON SHEET C-11

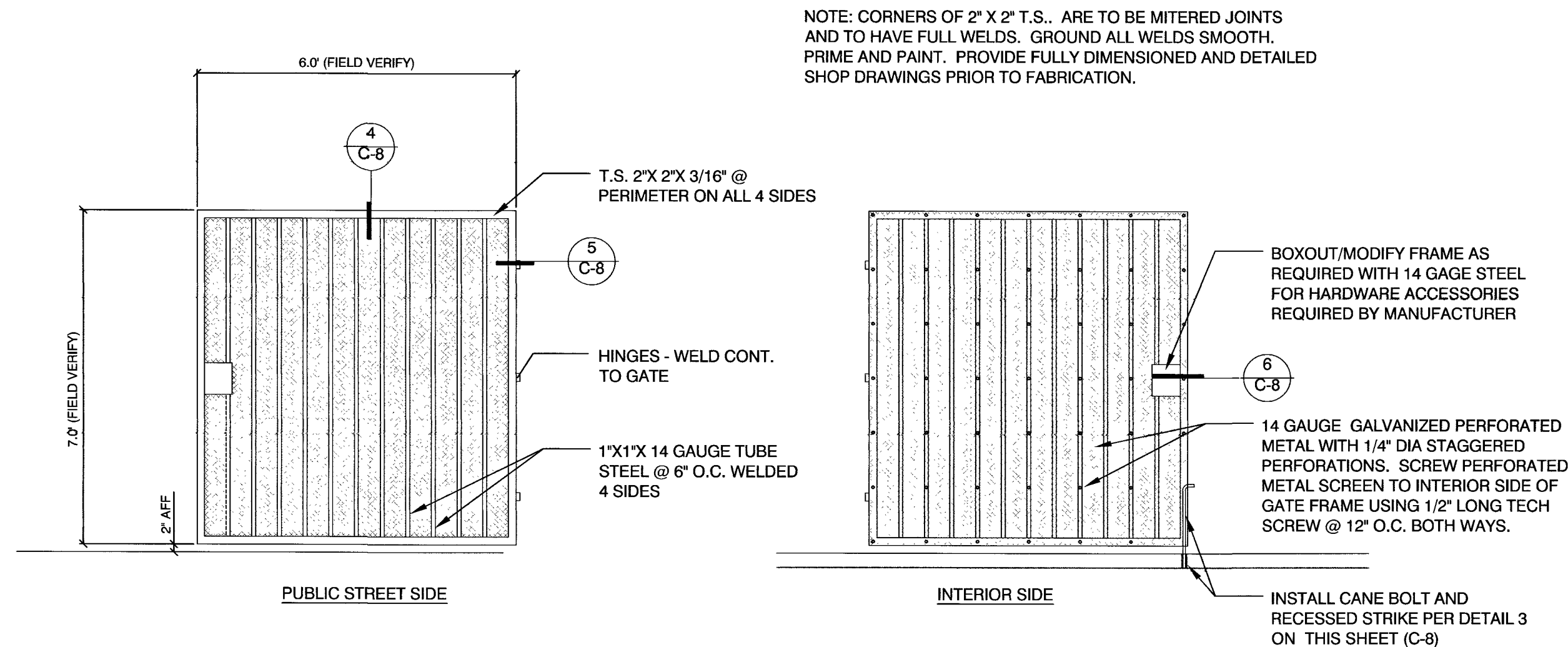
F
C-7 NTS

ADDED DETAILS 'E' AND 'F', REVISED SHT 4/S 08/17/15		CLV DETENTION & ENFORCEMENT ISOLATION CELL ADDITION CLV FIRE AND RESCUE NOTES AND DETAIL SHEET		PREPARED BY CITY OF LAS VEGAS		NO. DATE REVISIONS	
▲		CLV DETENTION & ENFORCEMENT ISOLATION CELL ADDITION CLV FIRE AND RESCUE NOTES AND DETAIL SHEET		PREPARED FOR CITY OF LAS VEGAS		DEPARTMENT OF PUBLIC WORKS CAPITAL PROJECT MANAGEMENT	
▲		CLV DETENTION & ENFORCEMENT ISOLATION CELL ADDITION CLV FIRE AND RESCUE NOTES AND DETAIL SHEET		H# 48891 BID# 13-48891-TB		DESIGNED BY: HES CHECKED BY: RMM	
▲		CLV DETENTION & ENFORCEMENT ISOLATION CELL ADDITION CLV FIRE AND RESCUE NOTES AND DETAIL SHEET		DATE: MARCH 2015 SUBMITTAL STAGE: FINAL		DRAWN BY: HES CHECKED BY: RMM	
▲		CLV DETENTION & ENFORCEMENT ISOLATION CELL ADDITION CLV FIRE AND RESCUE NOTES AND DETAIL SHEET		EXP. 12/31/2015 CIVIL		NO. 016256 PROFESSIONAL ENGINEER STATE OF NEVADA	
▲		CLV DETENTION & ENFORCEMENT ISOLATION CELL ADDITION CLV FIRE AND RESCUE NOTES AND DETAIL SHEET		531-55ZR DRAWING NO.		NO. DATE REVISIONS	

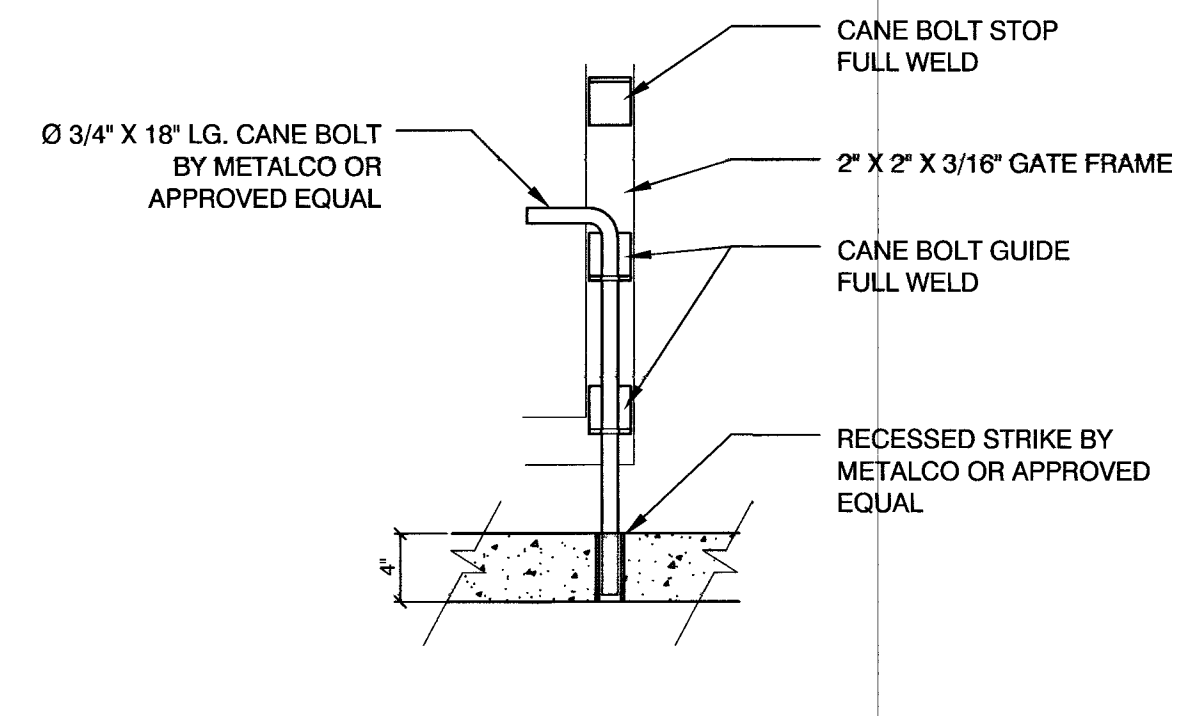
12/9/15 F:\P\U\ENG_DESIGN\DESIGN\PHASE II ADDITION\1. DESIGN\DT_SHTS_REV\1_120815.DWG



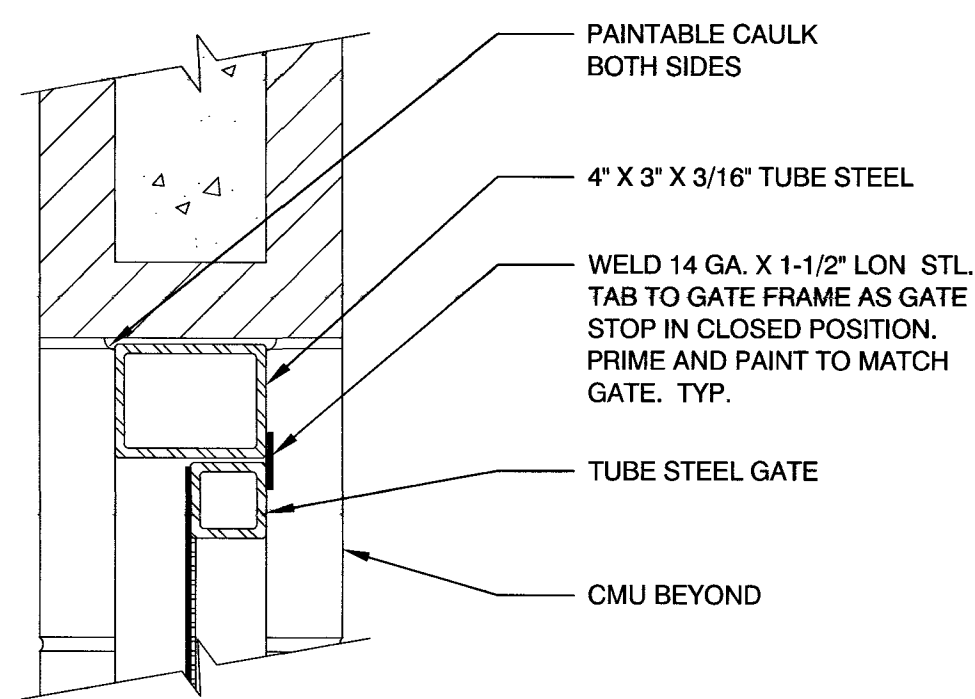
1 BLOCK WALL WITH RAZOR WIRE BARRIER
NTS



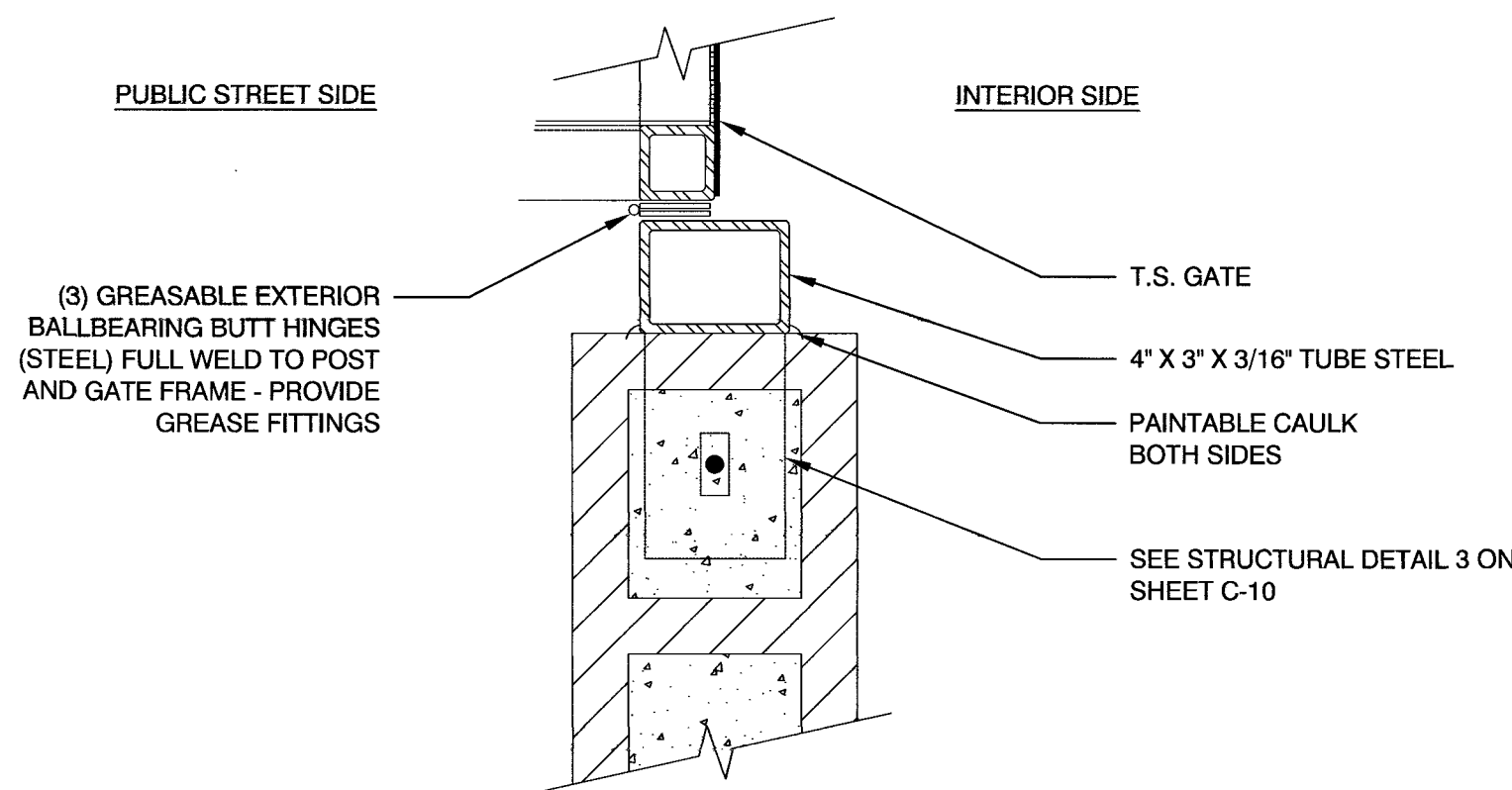
2 6' X 7' MAINTENANCE ACCESS GATE
NTS



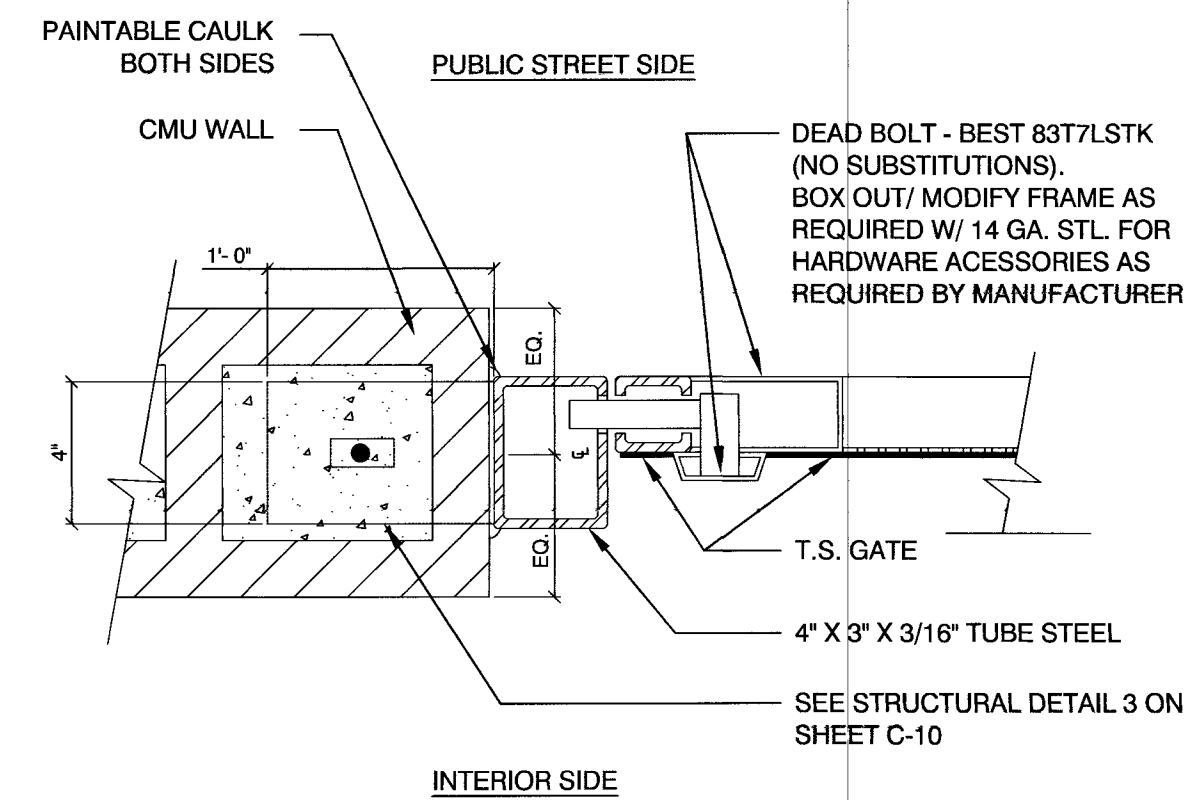
3 CANE BOLT AND RECESSED STRIKE
NTS



4 HEAD @ TUBE STEEL GATE
NTS



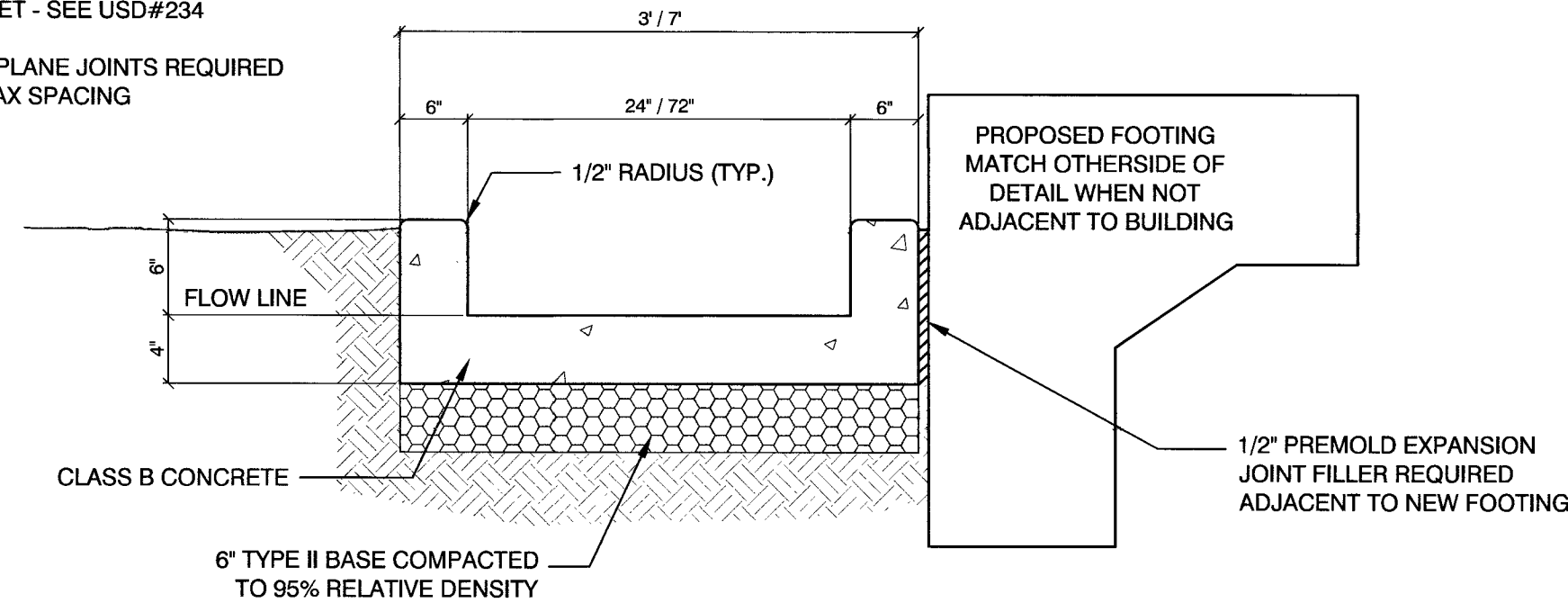
5 HINGE DETAIL
NTS



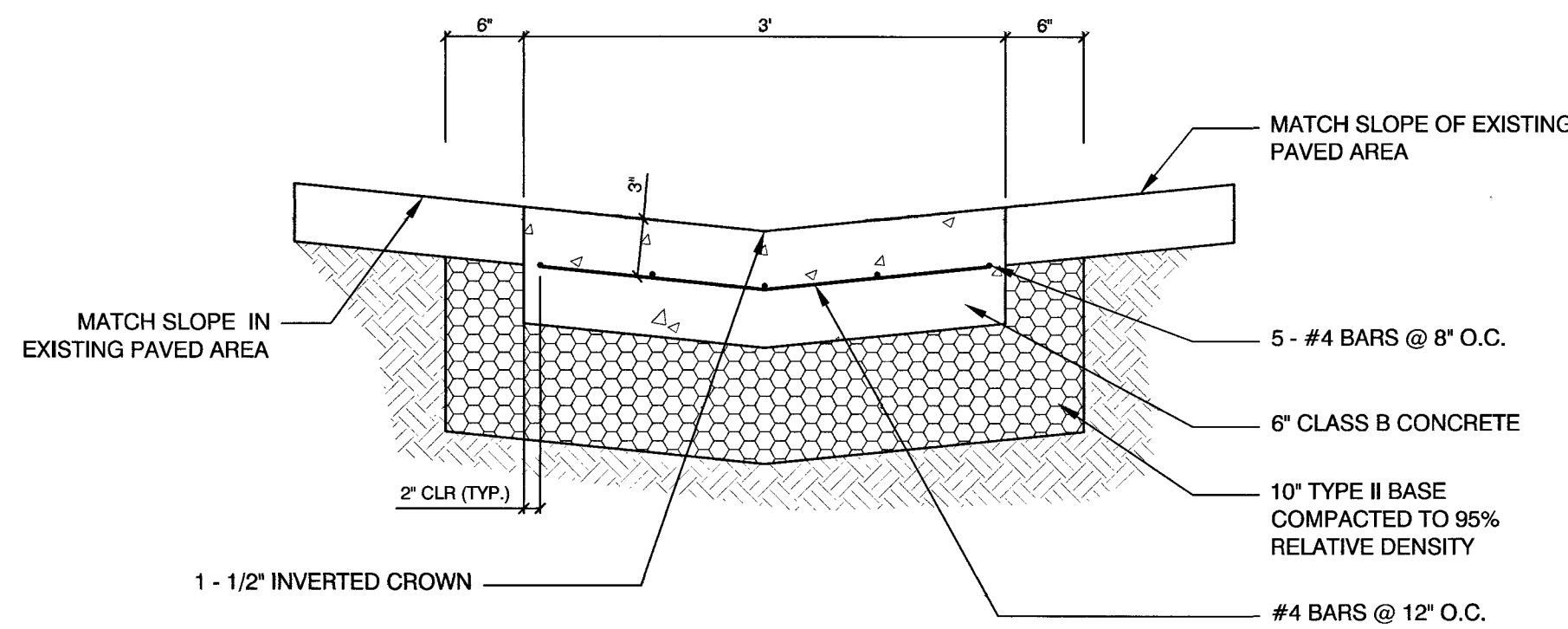
6 LOCK AND JAMB DETAIL
NTS

NOTES:

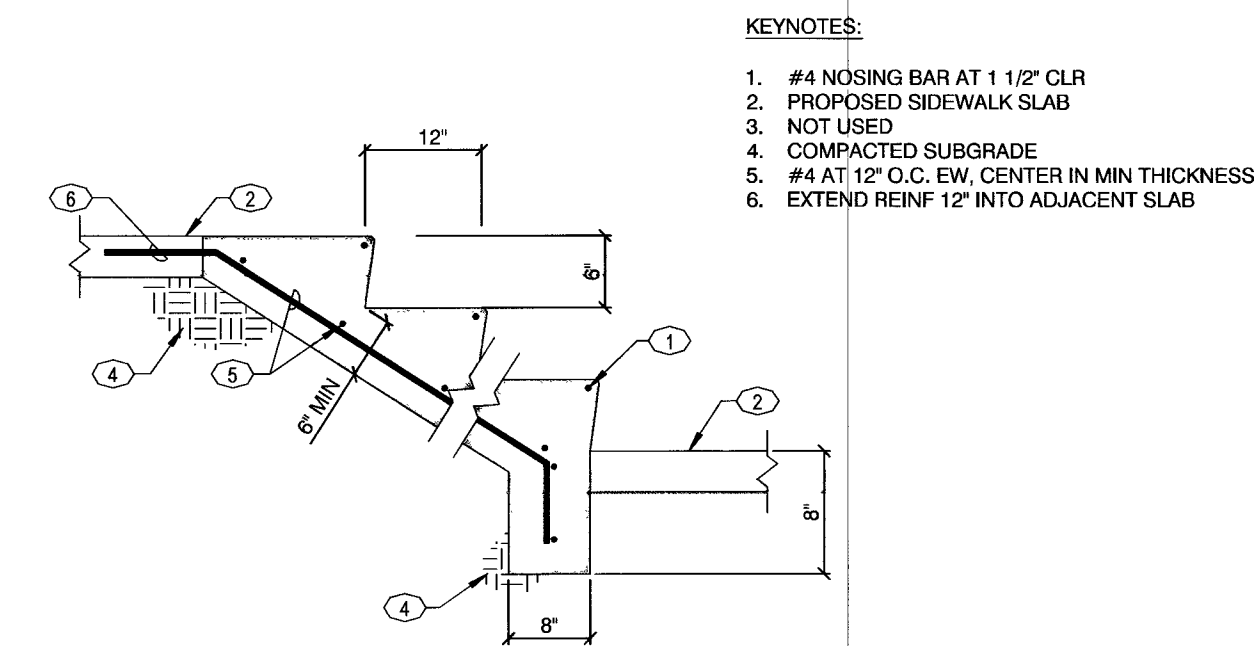
- 1- 1/2" EXPANSION JOINTS REQUIRED EVERY 30 FEET - SEE USD#234
- 2- WEAKENED PLANE JOINTS REQUIRED EVERY 10' MAX SPACING



7 CONCRETE "U" CHANNEL
NTS



8 3' VALLEY GUTTER
NTS



9 CONCRETE STAIRS
NTS

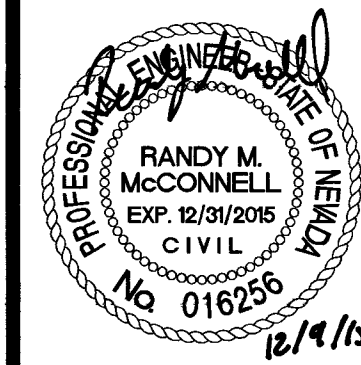
- KEYNOTES:
1. #4 NOSING BAR AT 1 1/2' CLR
 2. PROPOSED SIDEWALK SLAB
 3. NOT USED
 4. COMPACTED SUBGRADE
 5. #4 AT 12" O.C. EW, CENTER IN MIN THICKNESS
 6. EXTEND REINF 12" INTO ADJACENT SLAB

TITLE

CLV DETENTION & ENFORCEMENT
ISOLATION CELL ADDITION

SHEET

DETAIL SHEET



SHEET
C-8
12 OF 15
DRAWING NO.
513-55ZR

PREPARED FOR
CITY OF LAS VEGAS

BID# 13-48891-TB

DESIGNED BY: HES

DRAWN BY: HES

CHECKED BY: RMM

DATE: MARCH 2015

SUBMITTA STAGE:

FINAL



PREPARED BY

DEPARTMENT OF PUBLIC WORKS
CAPITAL PROJECT MANAGEMENT

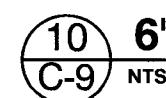
REVISION DETAIL 7 - ADDED PROP. FOOTING.
REVISION SHEET NUMBER

NO. DATE

REVISIONS



- 1- WEAKEND PLANE JOINTS SHALL BE EQUALLY SPACED AT 15' MAX.- SEE USD#234
- 2- #4 BARS @ 16" O.C. BOTH WAYS - BARS SHALL BE PLACED 3" ABOVE BOTTOM OF CONCRETE



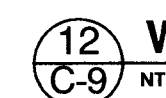
6" CONCRETE MAINTENANCE ACCESS PAD



CURB OPENING



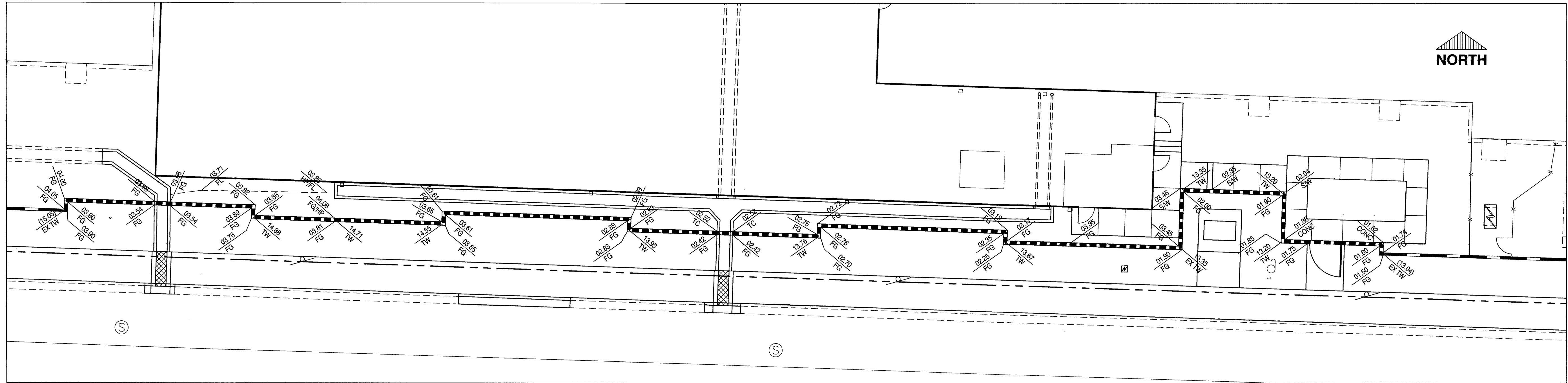
- 1- SEE DETAIL 2 ON SHEET C-10 FOR
STRUCTURAL REINFORCING OF WALL
OPENING



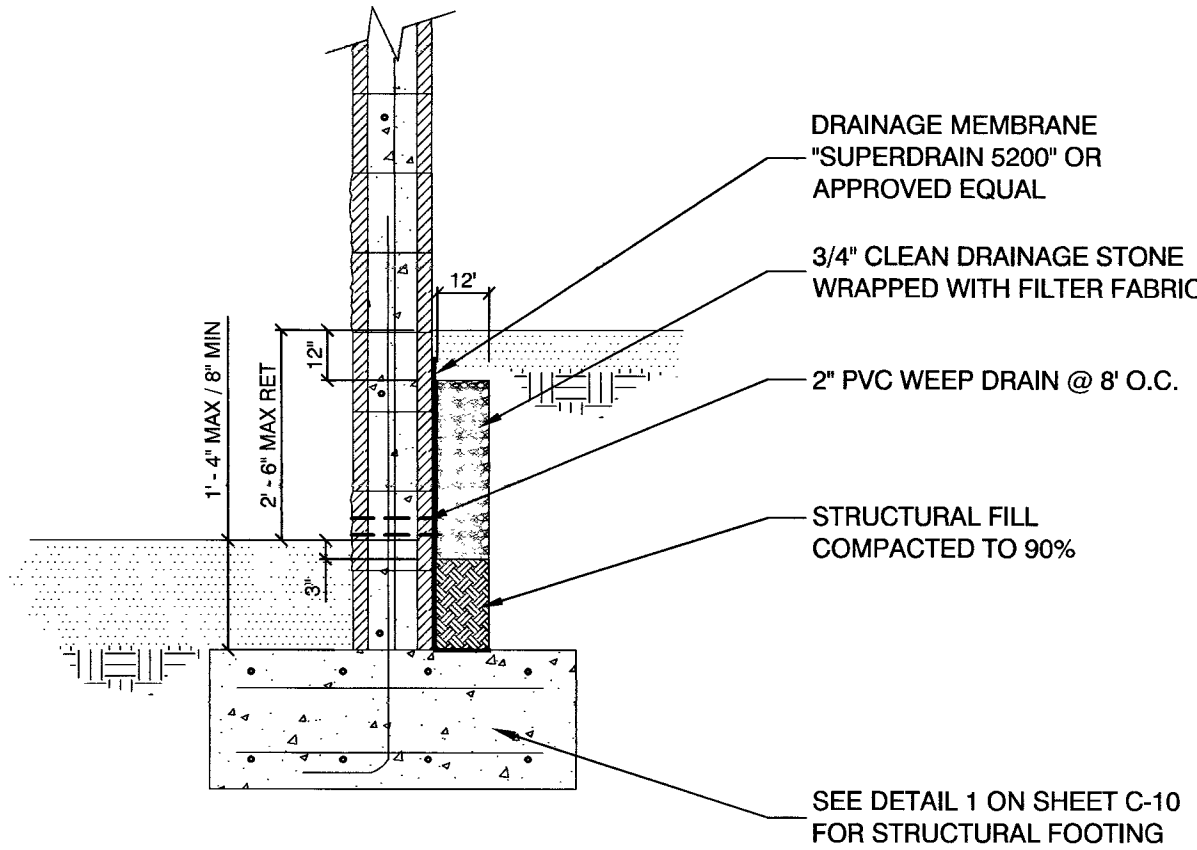
WALL OPENING DETAIL

C-9
13 OF 15
DRAWING NO.
513-55ZR

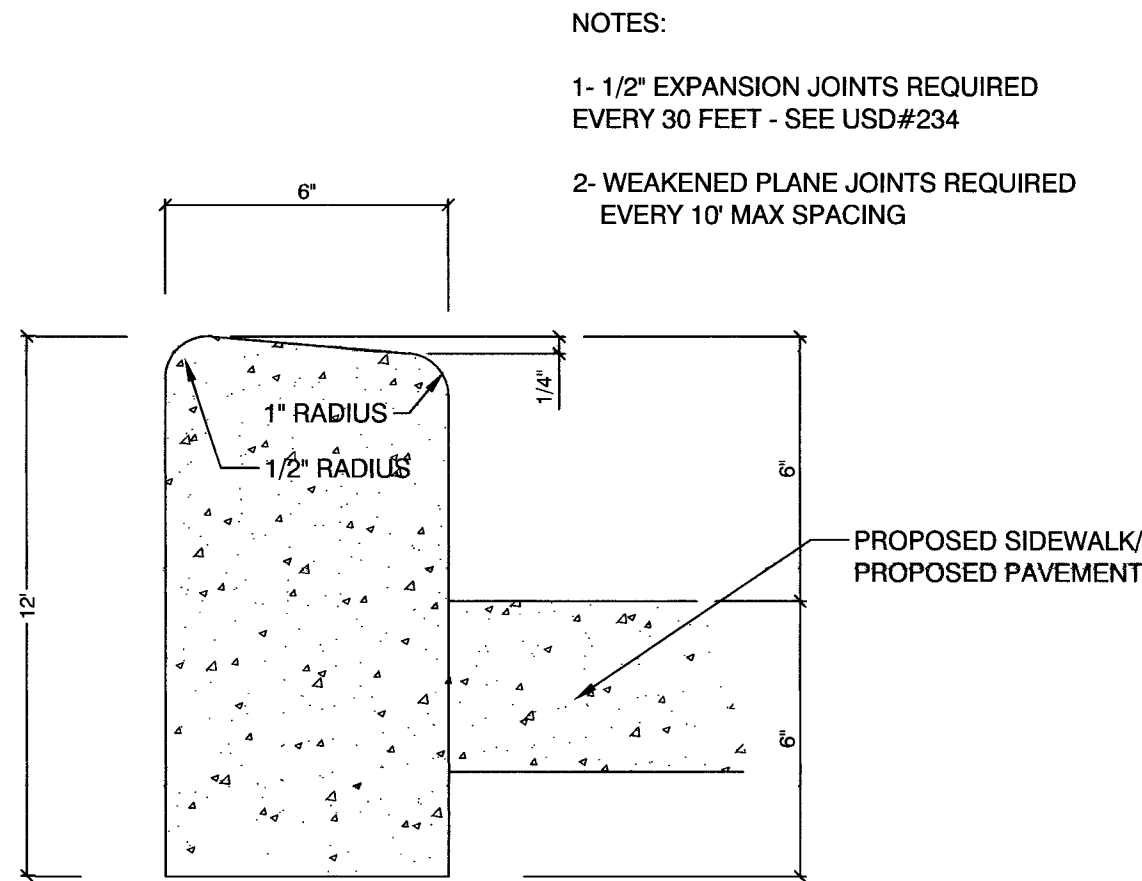
PROJECT NUMBER: STR13.10
SHEET NUMBER: **C-10**
14 OF 15
513-552R



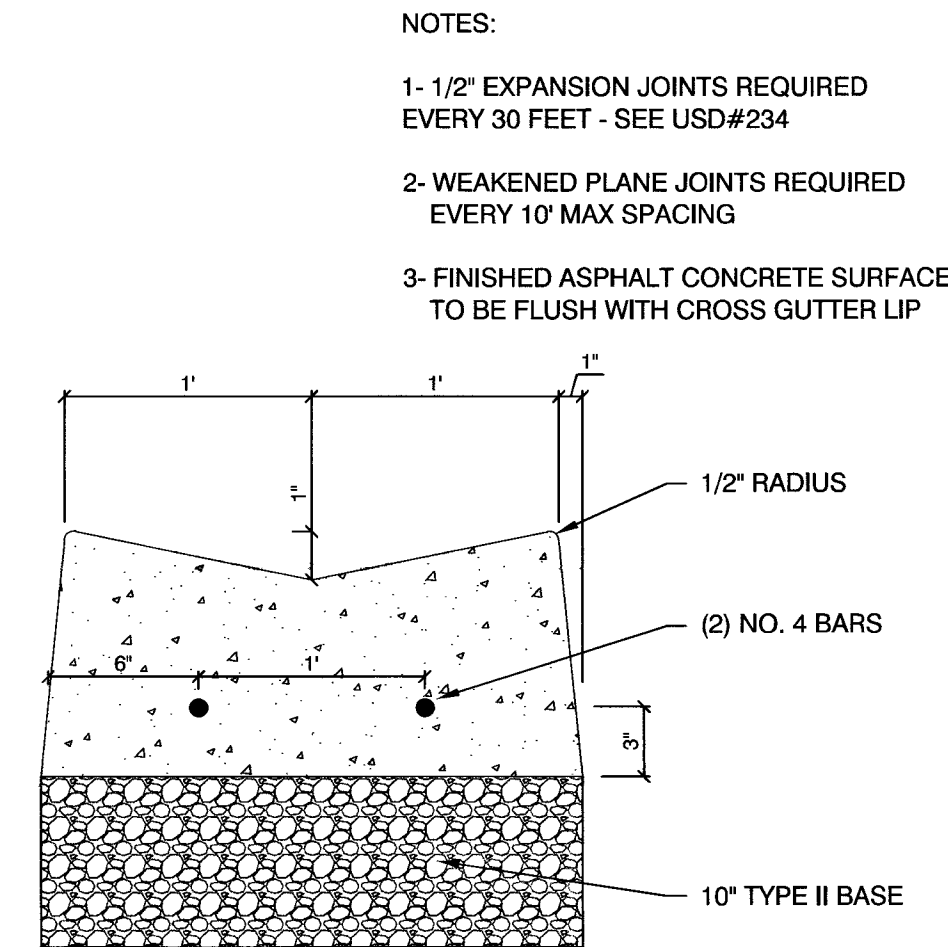
13 WALL GRADING DETAIL
SCALE 1" = 10'



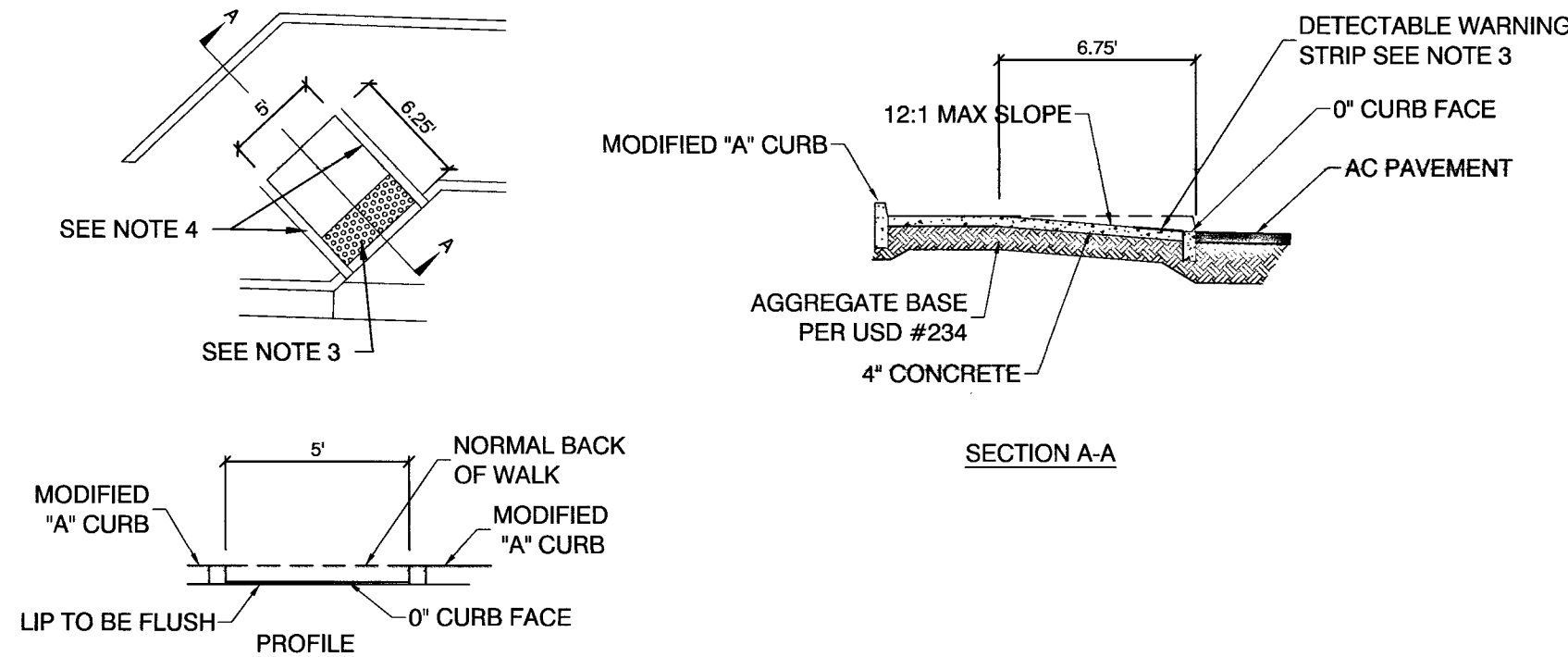
14 WALL DRAINAGE DETAIL
NTS



15 MODIFIED "A" TYPE CURB
NTS

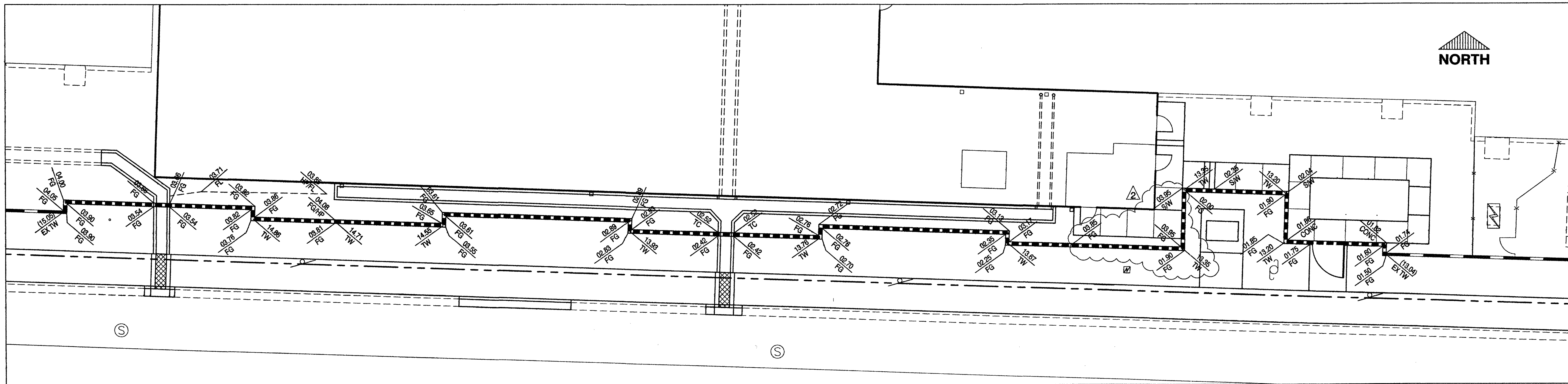


16 2' VALLEY GUTTER
NTS

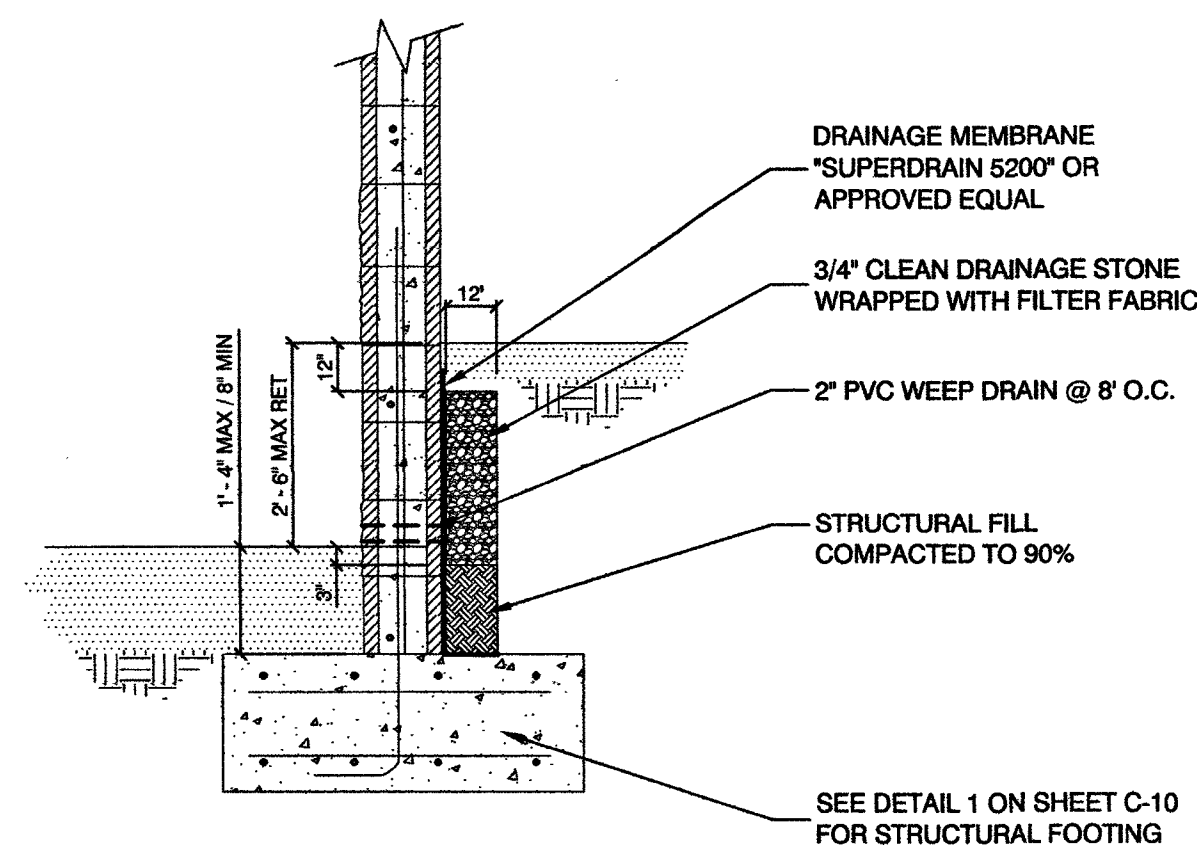


17 SIDEWALK RAMP
NTS

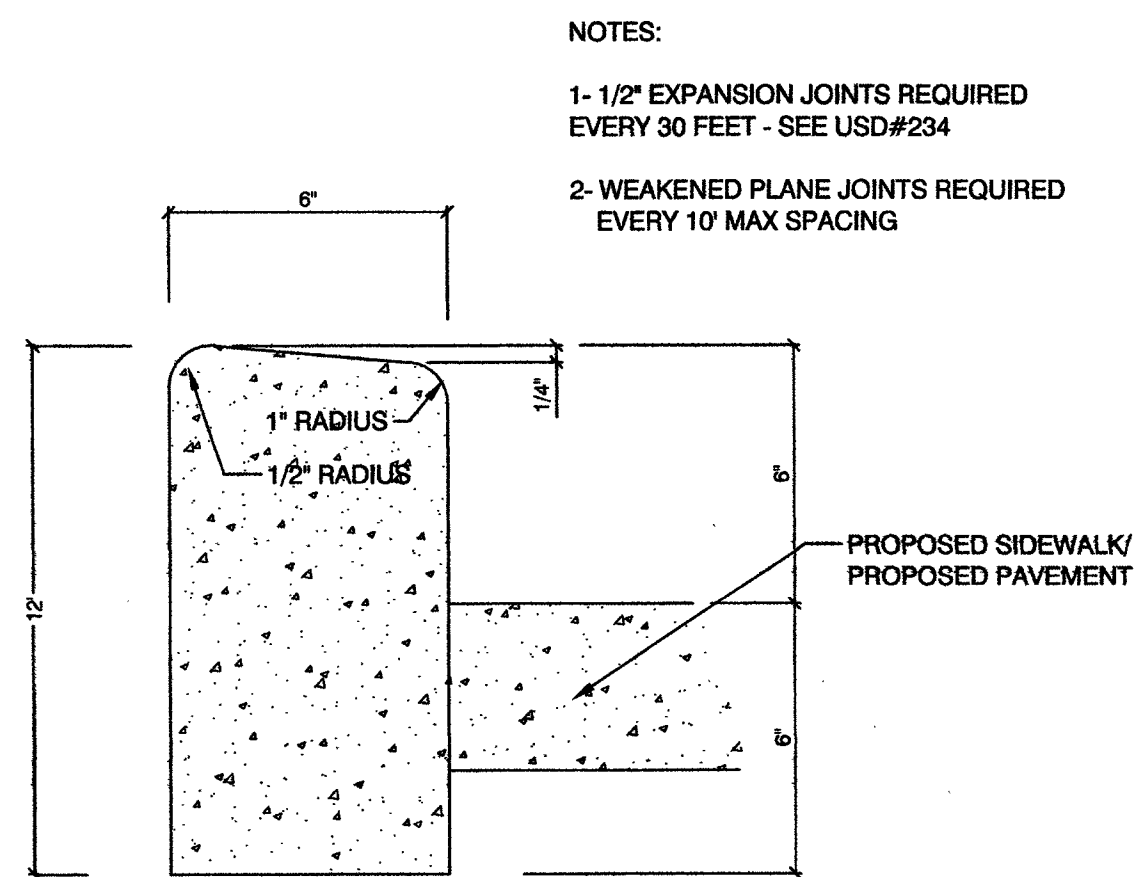
PREPARED BY:		DESIGNED BY: HES		CHECKED BY: RMM	
DATE: MARCH 2015		SUBMITTAL STAGE: FINAL		NO. DATE	
H# 48691		BID# 13.48691-TB		REVISIONS	
CITY OF LAS VEGAS DEPARTMENT OF PUBLIC WORKS CAPITAL PROJECT MANAGEMENT					
TITLE: CLV DETENTION & ENFORCEMENT ISOLATION CELL ADDITION SHEET: DETAIL AND WALL GRADING DETAIL SHEET					
SHEET: C-11 15 OF 15 DRAWING NO. 513-552R					



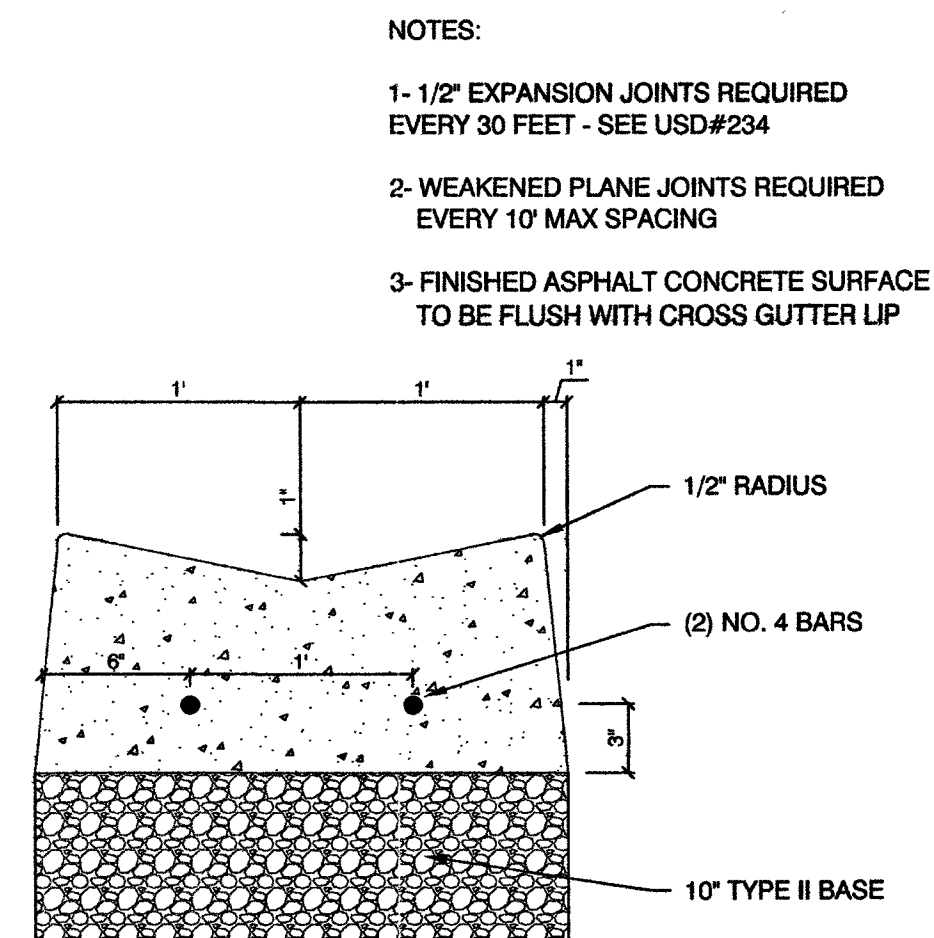
13 WALL GRADING DETAIL
C-11 SCALE 1" = 10'



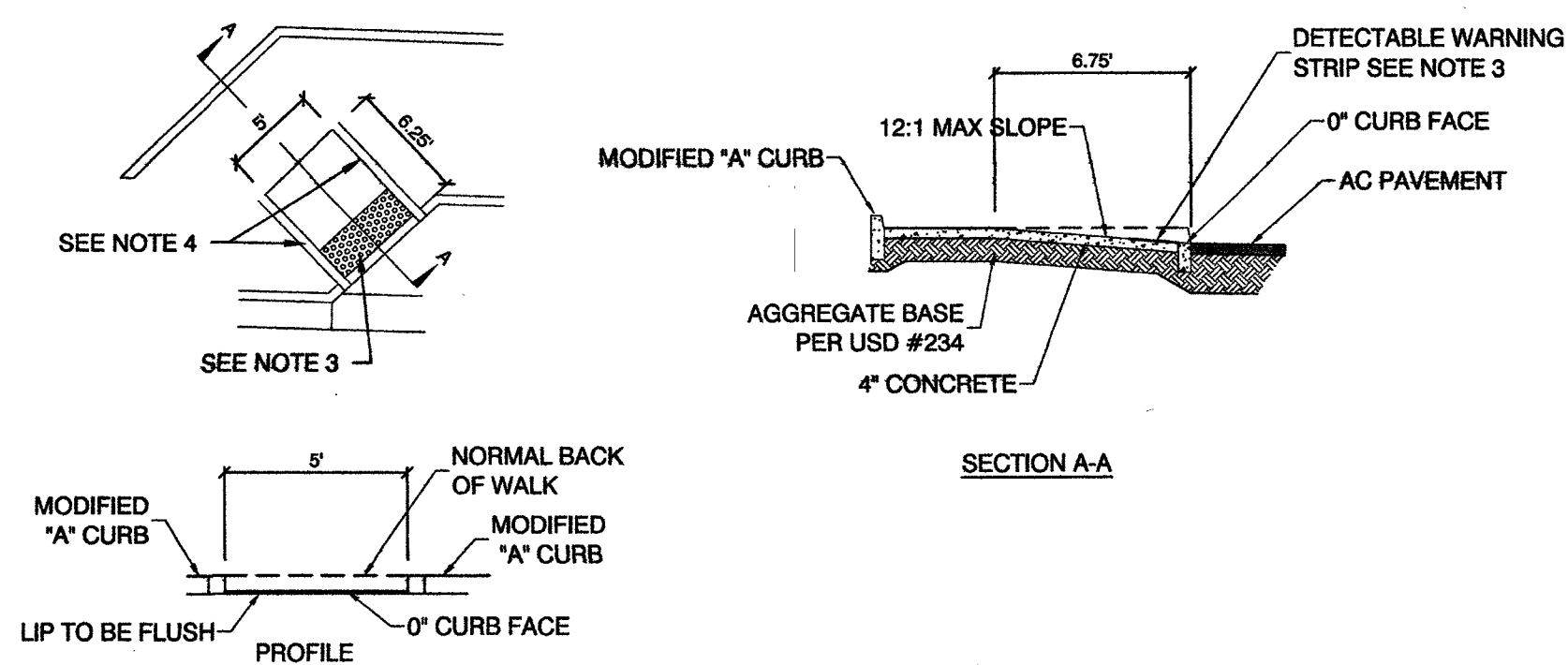
14 WALL DRAINAGE DETAIL
C-11 NTS



15 MODIFIED "A" TYPE CURB
C-11 NTS



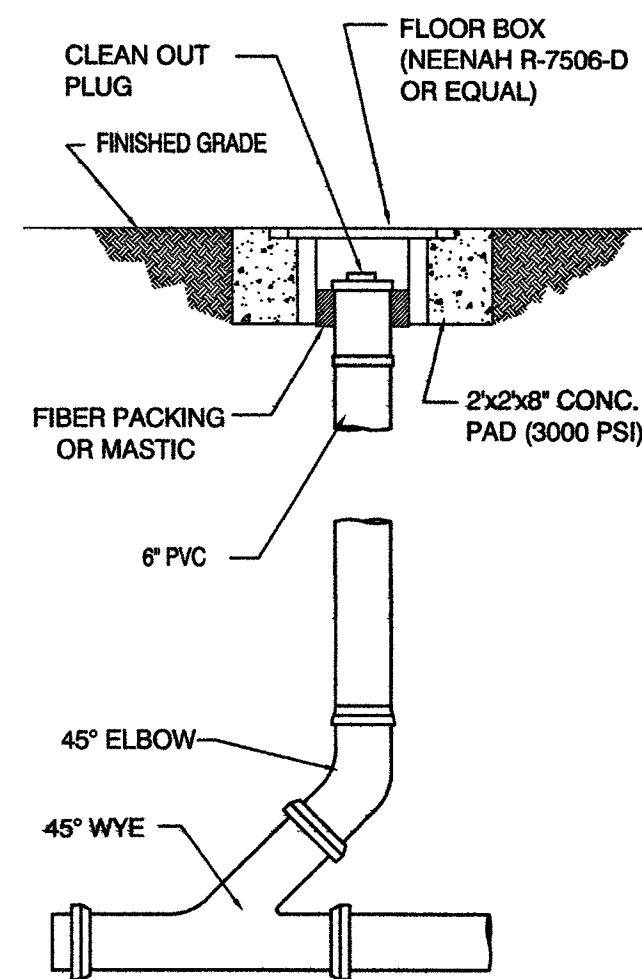
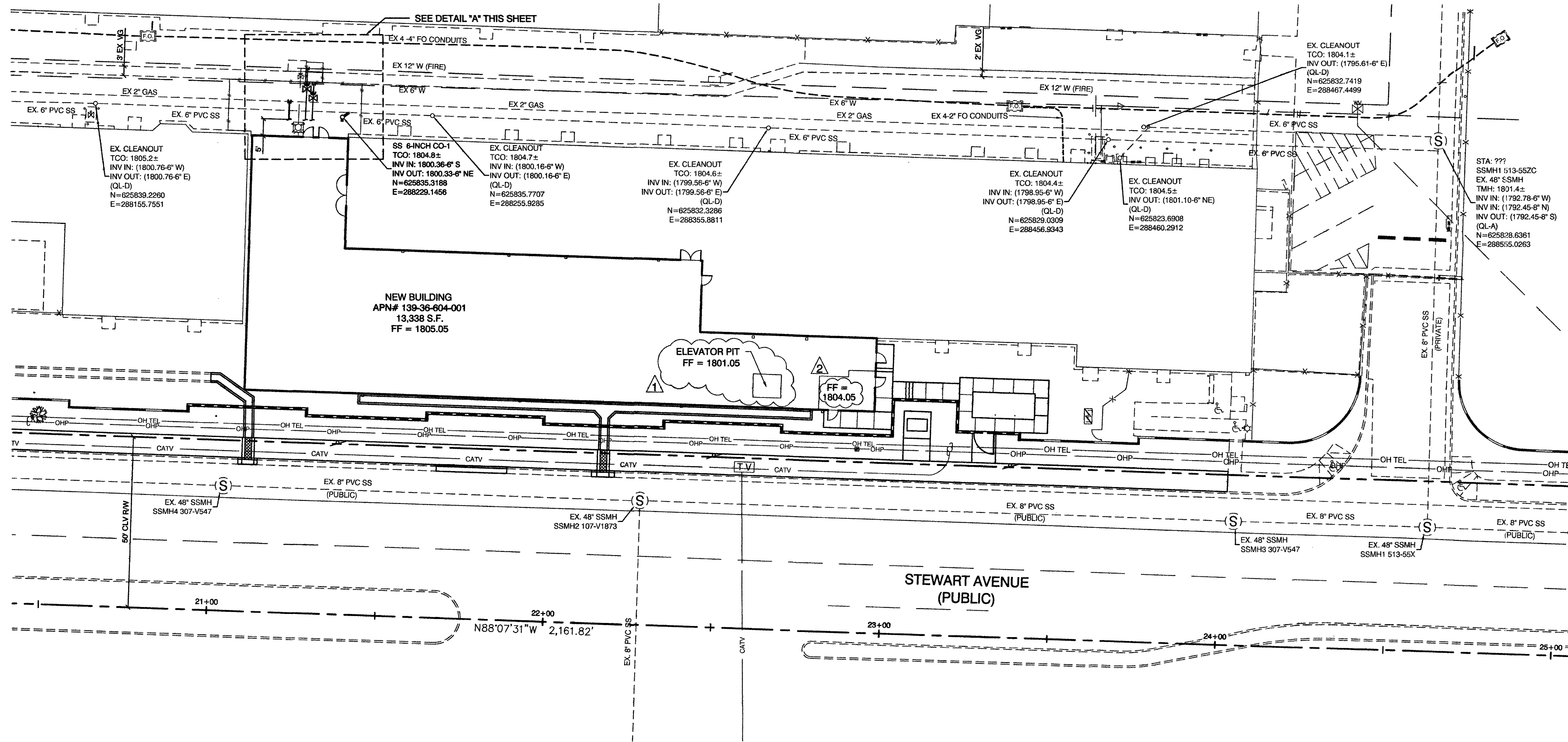
16 2" VALLEY GUTTER
C-11 NTS



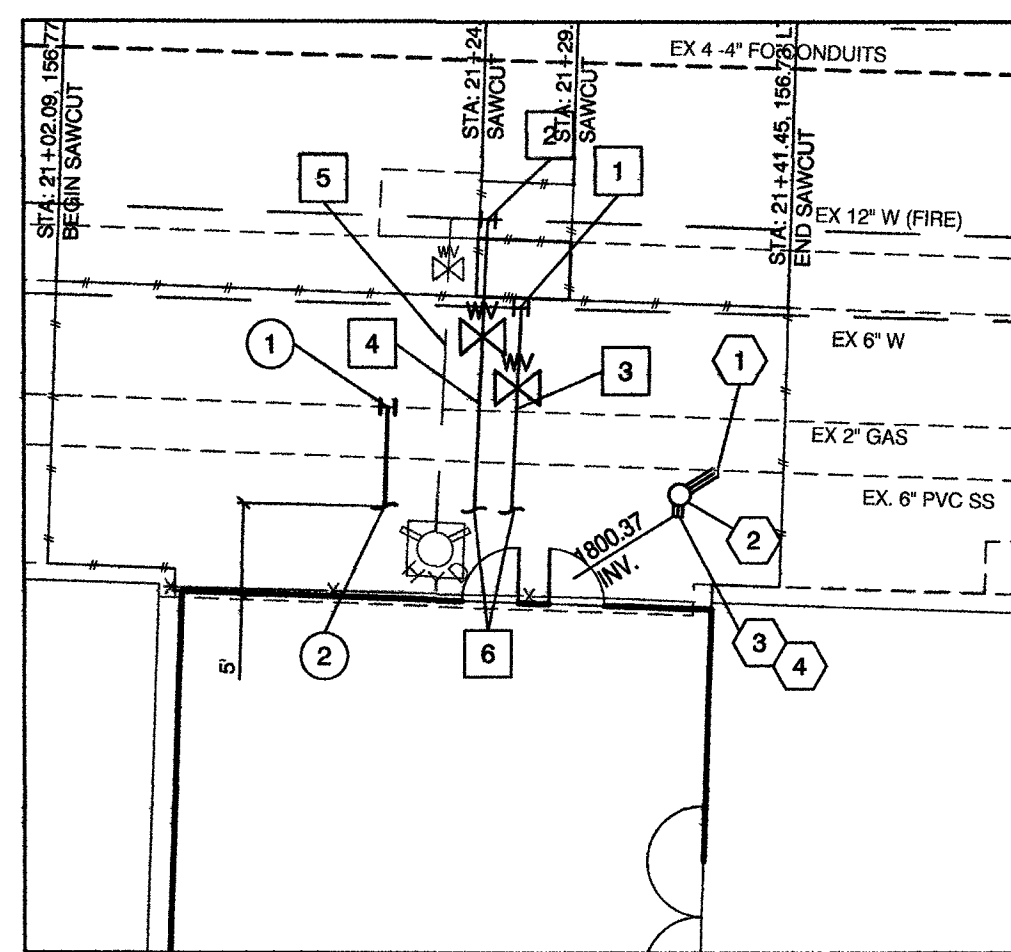
17 SIDEWALK RAMP
C-11 NTS

- NOTES:
- 1- RAMP SHALL BE CONSTRUCTED WITH A ROUGH BROOM FINISH TRANSVERSE TO THE SLOPE OF THE RAMP.
 - 2- WHEN CONSTRUCTING RAMP WHERE CURB AND GUTTER EXIST, COMPLETELY REMOVE INTERFERING PORTIONS OF EXISTING CURB AND GUTTER.
 - 3- DETECTABLE WARNING CONSISTING OF RAISED TRUNCATED DOMES WHICH COMPLY WITH DETAILS ON SHEET 4 OF CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS DRAWING NO. 235 AND CONTRASTING VISUALLY WITH ADJOINING SURFACES SHALL BE PLACED THE FULL WIDTH OF THE RAMP AND TO A MINIMUM DEPTH OF 24 INCHES.
 - 4- PAINT 6" WIDE STRIPE ON TOP OF EXPOSED EDGE OF RAMP WITH TYPE II YELLOW TRAFFIC MARKING PAINT.

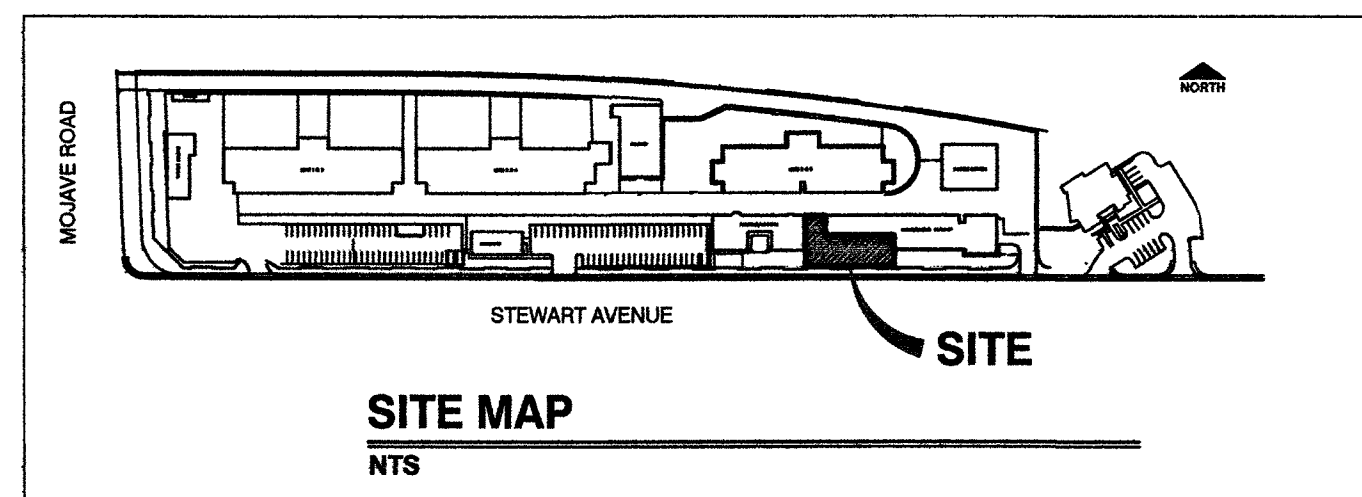
PREPARED FOR CITY OF LAS VEGAS		DESIGNED BY: HES DRAWN BY: HES CHECKED BY: RMM	
PROJECT NO. 48891 DATE: MARCH 2015 SUBMITTAL STAGE: FINAL		DEPARTMENT OF PUBLIC WORKS CAPITAL PROJECT MANAGEMENT	
TITLE CLV DETENTION & ENFORCEMENT ISOLATION CELL ADDITION		SHEET DETAIL AND WALL GRADING DETAIL SHEET	
PROFESSIONAL ENGINEER - STATE OF NEVADA RANDY M. MCCONNELL EXP. 12/31/2017 CIVIL No. 016256		SHEET C-11 15 OF 15 DRAWING NO. 513-552R	



SANITARY SEWER CLEANOUT
NTS

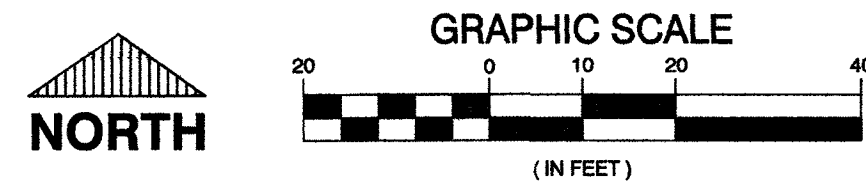


DETAIL "A"
SCALE 1"= 10'



UTILITY DISCLAIMER:

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT ALL EXISTING UTILITIES DURING CONSTRUCTION. ANY UTILITIES DAMAGED DURING CONSTRUCTION MUST BE REPAIRED IMMEDIATELY AND TO THE OWNER'S SATISFACTION AT THE CONTRACTOR'S EXPENSE.



CALL BEFORE CONSTRUCTION		
BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
BEFORE YOU OVERHEAD	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
	NV ENERGY	702-227-2929

GENERAL NOTES:

- SEE SHEET C-7 FOR CLV FIRE AND RESCUE NOTES
- ALL ONSITE WATER MAINS ARE OWNED AND MAINTAINED BY THE CITY OF LAS VEGAS.

WATER CONSTRUCTION NOTES

- INSTALL WET TAP WITH 2" TAPPING VALVE PER UDACS PLATE NO. 34 AND 39
- INSTALL WET TAP WITH 6" TAPPING VALVE PER UDACS PLATE NO. 34 AND 39
- INSTALL 2" PVC WATERLINE PER UDACS PLATE NO. 17
- INSTALL 6" PVC WATERLINE PER UDACS PLATE NO. 17
- PROTECT IN PLACE EXISTING FIRE HYDRANT AND LATERAL
- SEE PLUMBING PLANS FOR CONTINUATION

GAS CONSTRUCTION NOTES

- TAP INTO EXISTING 2" GAS MAIN WITH 1" MEDIUM PRESSURE GAS LINE
- SEE PLUMBING PLANS FOR CONTINUATION

SEWER CONSTRUCTION NOTES

- INSTALL 6" WYE
- INSTALL 6" SANITARY SEWER CLEAN OUT PER DETAIL THIS SHEET
- INSTALL 6" SDR-35 PVC SEWER LINE PER DCSWCS DWG NO SD-17
- SEE PLUMBING PLANS FOR CONTINUATION

SEWER CONTRIBUTION FLOWS

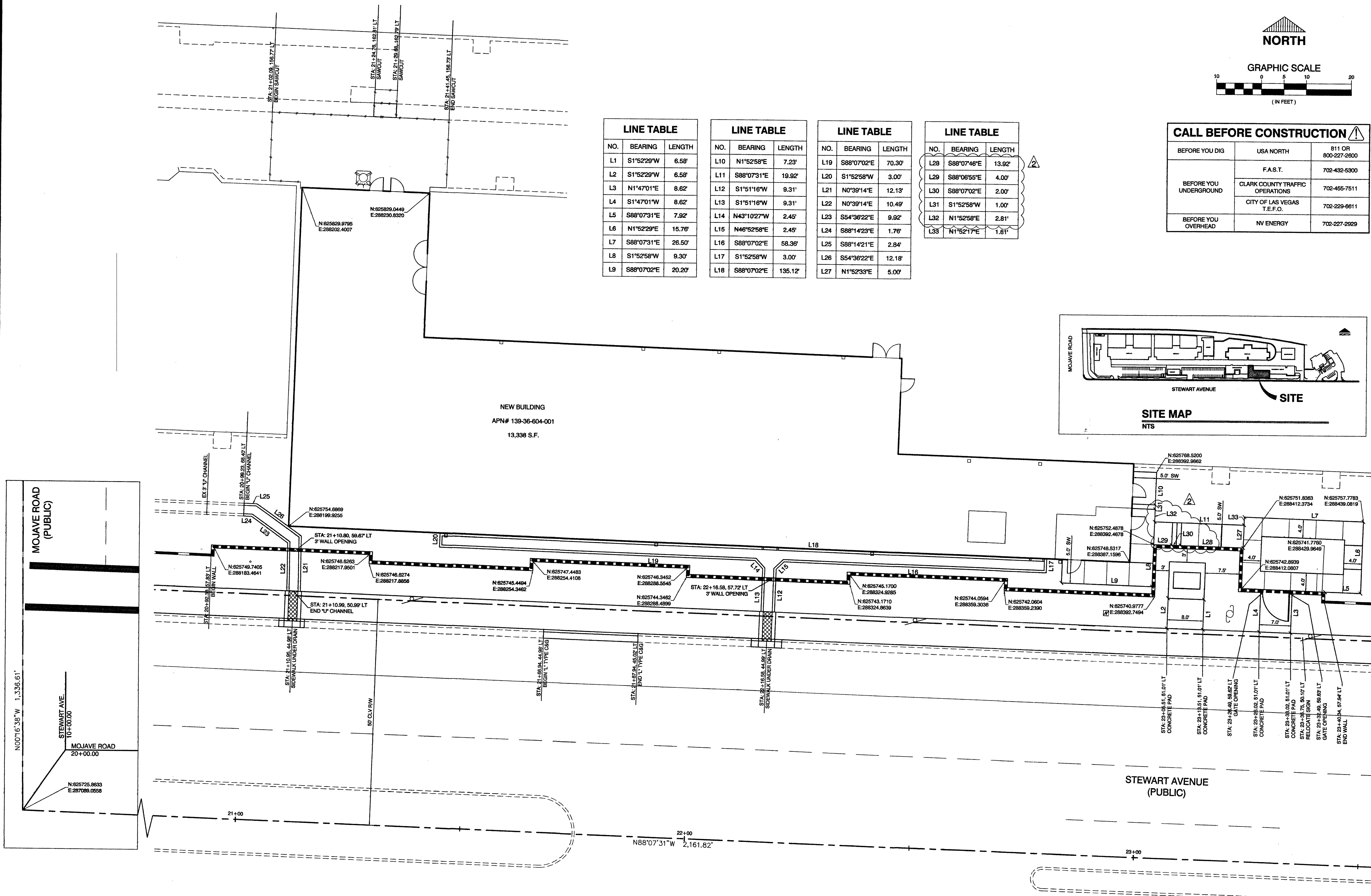
AVERAGE DAILY FLOW: 0.00675 MGD
PEAK FLOW: 0.03000 MGD

FIRE FLOW CALCULATIONS

FIRE FLOW REQUIREMENT IS 4000 GALLONS PER MINUTE @ 20 PSI RESIDUAL PRESSURE.		
BASED ON:		
SQUARE FOOTAGE:	EXISTING 162,628 SQ. FT.	NEW 13,338 SQ. FT.
LARGEST AREA BETWEEN 4-HOUR		
AREA SEPARATION FIRE WALLS:	175,966 SQ. FT.	N/A SQ. FT.
BUILDING HEIGHT:	27 FEET	27 FEET
NUMBER OF STORIES:	2 FLOOR(S)	2 FLOOR(S)
TYPE OF CONSTRUCTION:	II-B	II-B
OCCUPANCY:	I-3	I-3
FULL AUTOMATIC FIRE SPRINKLER SYSTEM:	☒ YES ☐ NO	☒ YES ☐ NO
REVIEWED BY:	LAS VEGAS FIRE & RESCUE	
DATE:		

APPROVED FOR CONSTRUCTION
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER
DATE: PROJECT# 122845

ADDED ELEVATOR PIT FF, REVISED SHT NUMBER	06/17/15	02/17/16	NO.	DATE
BASED FF ELEVATION IN UTILITY ROOM				
REVISIONS				
DEPARTMENT OF PUBLIC WORKS CAPITAL PROJECT MANAGEMENT				
PREPARED BY	DESIGNED BY	DRAWN BY	CHECKED BY	
CITY OF LAS VEGAS	HES	HES	RMM	
BID# 13-48891-TB	DATE: MARCH 2015	SUBMITTAL STAGE:	FINAL	
H# 48891				
CLV DETENTION & ENFORCEMENT ISOLATION CELL ADDITION UTILITY PLAN				
SHEET C-5 7 OF 15				
DRAWING NO. 513-55ZR				



LINE TABLE			LINE TABLE			LINE TABLE			LINE TABLE		
NO.	BEARING	LENGTH	NO.	BEARING	LENGTH	NO.	BEARING	LENGTH	NO.	BEARING	LENGTH
L1	S1°52'29"W	6.58'	L10	N1°52'58"E	7.23'	L19	S88°07'02"E	70.30'	L28	S88°07'46"E	13.92'
L2	S1°52'29"W	6.58'	L11	S88°07'31"E	19.92'	L20	S1°52'58"W	3.00'	L29	S88°06'55"E	4.00'
L3	N1°47'01"E	8.62'	L12	S1°51'16"W	9.31'	L21	N0°39'14"E	12.13'	L30	S88°07'02"E	2.00'
L4	S1°47'01"W	8.62'	L13	S1°51'16"W	9.31'	L22	N0°39'14"E	10.49'	L31	S1°52'58"W	1.00'
L5	S88°07'31"E	7.92'	L14	N43°10'27"W	2.45'	L23	S54°36'22"E	9.92'	L32	N1°52'58"E	2.81'
L6	N1°52'29"E	15.76'	L15	N46°52'58"E	2.45'	L24	S88°14'23"E	1.76'	L33	N1°52'17"E	1.81'
L7	S88°07'31"E	26.50'	L16	S88°07'02"E	58.36'	L25	S88°14'21"E	2.84'			
L8	S1°52'58"W	9.30'	L17	S1°52'58"W	3.00'	L26	S54°36'22"E	12.18'			
L9	S88°07'02"E	20.20'	L18	S88°07'02"E	135.12'	L27	N1°52'33"E	5.00'			

CALL BEFORE CONSTRUCTION		
BEFORE YOU DIG	USA NORTH	811 OR 800-227-2600
BEFORE YOU UNDERGROUND	F.A.S.T.	702-432-5300
	CLARK COUNTY TRAFFIC OPERATIONS	702-455-7511
BEFORE YOU OVERHEAD	CITY OF LAS VEGAS T.E.F.O.	702-229-6611
	NV ENERGY	702-227-2829

PREPARED BY
CITY OF LAS VEGAS
HF 48891

DESIGNED BY: HES
DATE: MARCH 2015

DRAWN BY: HES
SUBMITTAL STAGE: FINAL

CHECKED BY: RMM

REVISIONS

NO.	DATE	REVISIONS
1		
2		

CLV DETENTION & ENFORCEMENT ISOLATION CELL ADDITION

HORIZONTAL CONTROL PLAN

SHEET
C-3
3 OF 15
DRAWING NO.
513-55ZR

PROFESSIONAL SEAL OF STATE OF NEVADA
RANDY M. McCONNELL
EXP. 12/31/2017
CIVIL
No. 016259

2/17/16

FIREFIGHTER SMOKE CONTROL PANEL CLV Detention & Enforcement Isolation Addition SAE#262797

GL8-BL-LFSR-MD24D-1-SHT-R1-34

LED LEGEND

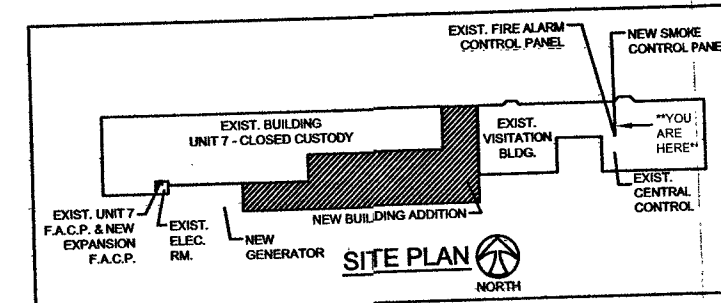
LED RED: SMOKE MODE	LED GREEN: NORMAL	LED YELLOW: FAULT
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SUPERVISORY / TROUBLE ALARM INITIATING DEVICES

ABNORMAL SWITCH POSITION	HEAT DETECTION
DUCT SMOKE DETECTION	MANUAL PULL STATION
VALVE TAMPER SWITCH	SMOKE DETECTION
TROUBLE	WATERFLOW

LEGEND

OUTSIDE AIR	OSA
EXHAUST FAN	EF
SMOKE EXHAUST FAN	SE
SMOKE SUPPLY FAN	SF
MOTORIZED DAMPER	MD
SMOKE FIRE DAMPER	SFD
SUPPLY AIR FAN (BLUE COLOR)	SF
SUPPLY AIR DUCT (BLUE COLOR)	SF
EXHAUST AIR FAN (RED COLOR)	EF
EXHAUST AIR DUCT (RED COLOR)	EF



NOTE: MANUAL CONTROLS
OVERRIDE ALL SMOKE
CONTROL FUNCTIONS

SMOKE ZONE A SOUTH BLOCK

SMOKE MODE	SMOKE EVAC ON
NORMAL	AUTO
FAULT	SMOKE EVAC OFF

SMOKE ZONE B NORTH BLOCK

SMOKE MODE	SMOKE EVAC ON
NORMAL	AUTO
FAULT	SMOKE EVAC OFF

SMOKE ZONE C HALLWAY

SMOKE MODE	SMOKE EVAC ON
NORMAL	AUTO
FAULT	SMOKE EVAC OFF

SMOKE ZONE D SECOND FLOOR DAYROOM

SMOKE MODE	SMOKE EVAC ON
NORMAL	AUTO
FAULT	SMOKE EVAC OFF

SMOKE ZONE E SOUTH FIRST FLOOR DAYROOM

SMOKE MODE	SMOKE EVAC ON
NORMAL	AUTO
FAULT	SMOKE EVAC OFF

SMOKE ZONE F OFFICERS AREA STORAGE RM.

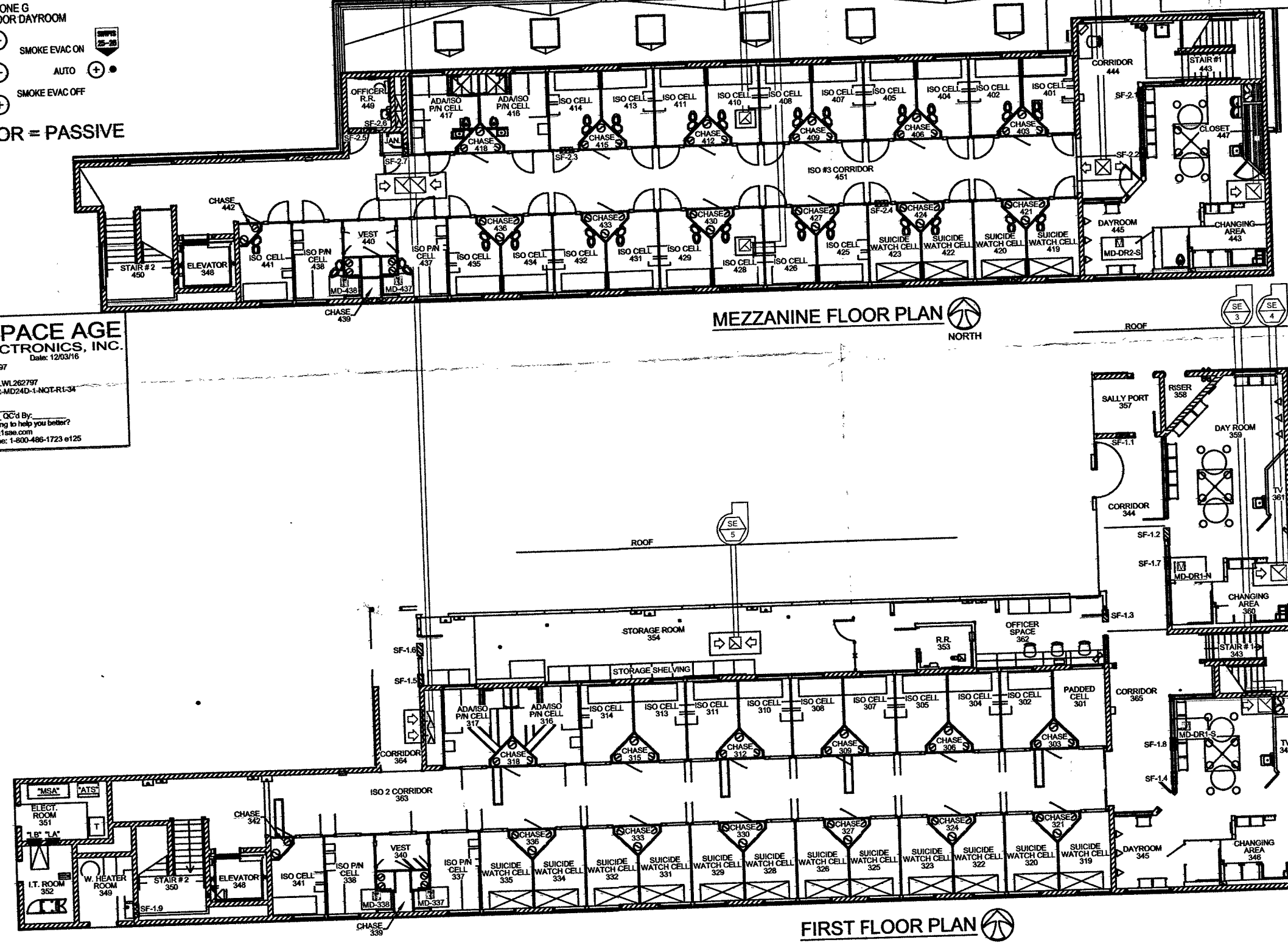
SMOKE MODE	SMOKE EVAC ON
NORMAL	AUTO
FAULT	SMOKE EVAC OFF

SMOKE ZONE G NORTH FIRST FLOOR DAYROOM

SMOKE MODE	SMOKE EVAC ON
NORMAL	AUTO
FAULT	SMOKE EVAC OFF

NO COLOR = PASSIVE

SPACE AGE
ELECTRONICS, INC.



SILENCE /
ACKNOWLEDGE

SMOKE
CONTROL ON

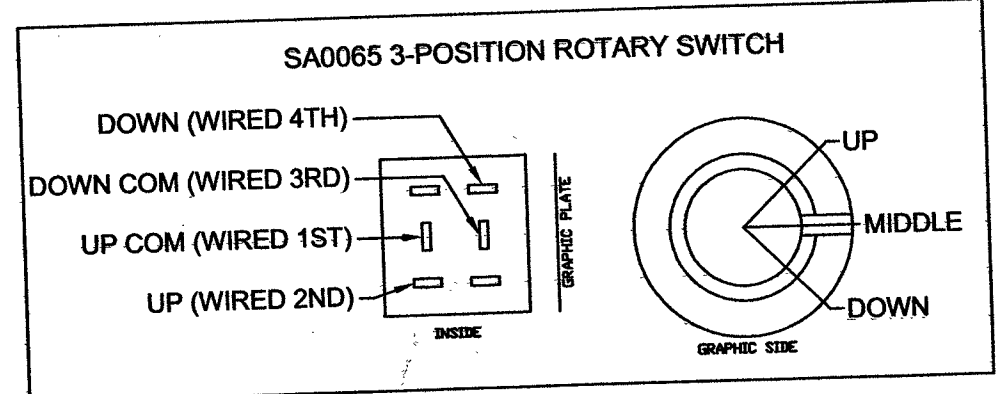
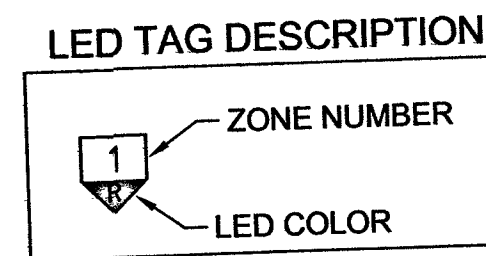
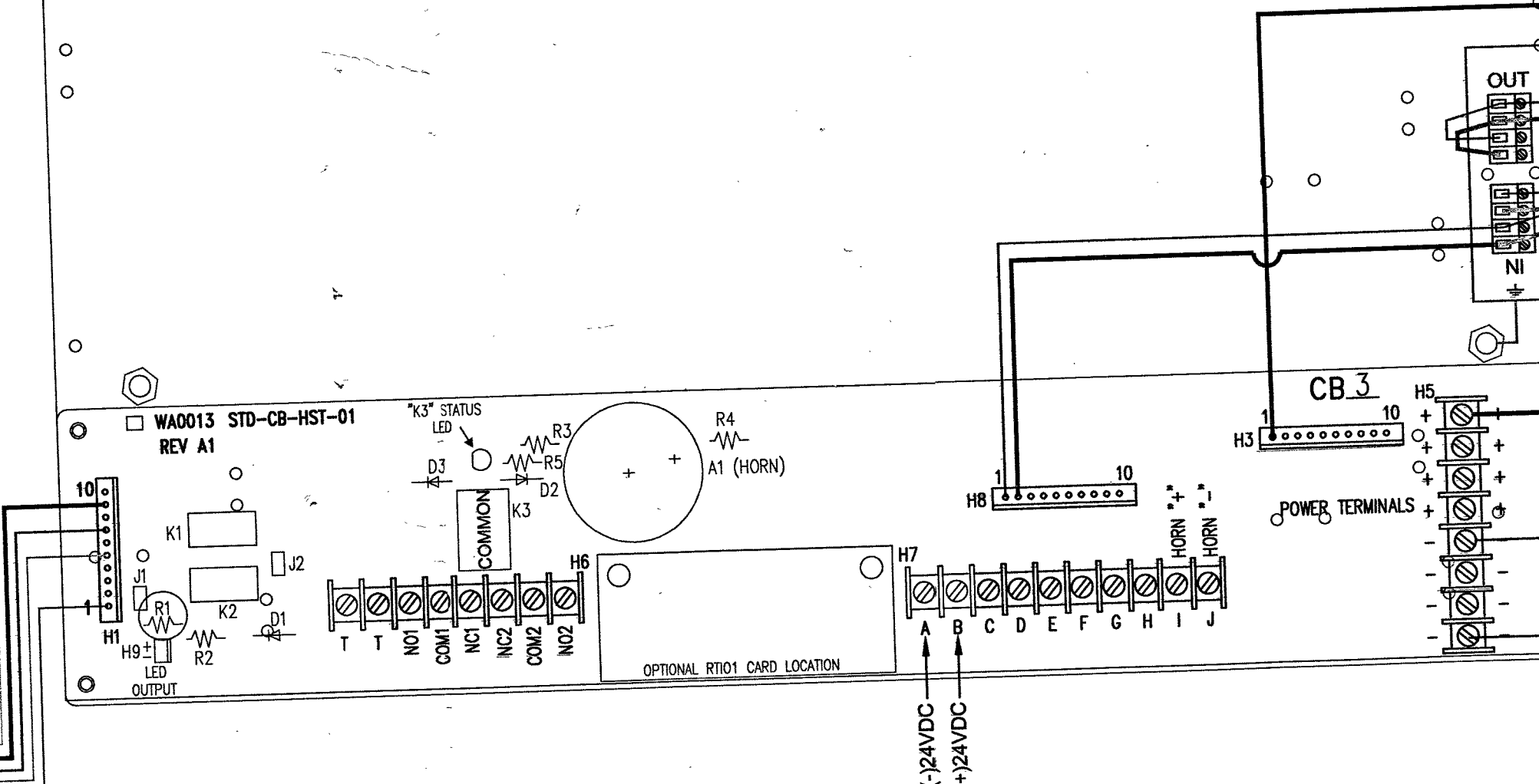
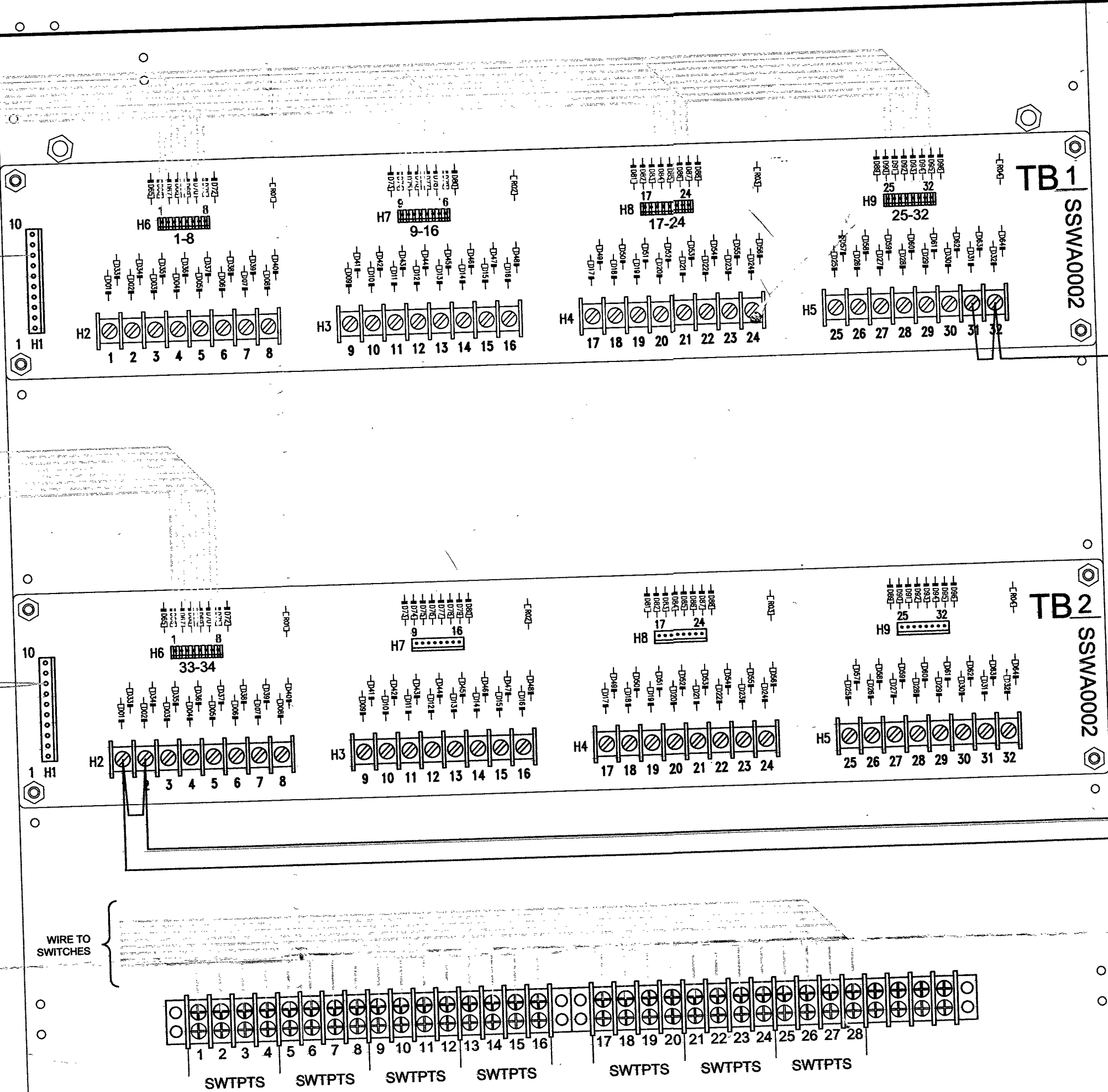
POWER
ON

LAMP
TEST



CUSTOMER CONTACTS
ARE SHOWN IN BLUE

LEDS, 1-8
LEDS, 9-16
LEDS, 17-24
LEDS, 25-32
LEDS, 33-34



APPROVED FOR PRODUCTION/RELEASE
Approved By *[Signature]* Date *12/1/16*

GL8 SPECIFICATIONS

SIZE:	L	GRAPHIC DRAWING:	CD262797
HINGE:	L	WIRE SIZE:	12-22 AWG
UNIT/TRIM COLOR:	RED	INSTALLATION:	INDOOR DRY
VOLTAGE:	24VDC	COMMENTS:	
INPUT POLARITY:	NEGATIVE (01)		
LAMP COUNT:	34		
WIRING DETAILS:	SHT		
CURRENT DRAW:	.7A@24vdc		

CIRCUITS ARE NOT SUPERVISED UNLESS
OTHERWISE NOTED.

POWER SUPPLY MUST BE UL 1481
LISTED FOR FIRE PROTECTION
SERVICES

LEGEND

99	CIRCLE WITH NUMBER: ITEM / SEQUENCE NUMBER, REFERENCED IN SAE BILL OF MATERIAL.
9	TRIANGLE WITH NUMBER: REFERENCES SPECIFIC NOTE IN NOTES SECTION.

PROJECT: CES

SCALE:

DATE: 12/03/16

SAE/OWNER: 262797

PART NO: N/A

DRAWN: LC

MANUFACTURING:

ENGINEERING:

DATE: 12/1/16

FILE LOCATION: D E:WL 1/1

SHEET: 1

DWG: WL262797

REV: 1

TITLE: CLV DETENTION & ENFORCEMENT

CODE: GL8-BL-LFSR-MD24D-1-SHT-R1-34

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SPACE AGE
ELECTRONICS, INC.

CLV DETENTION & ENFORCEMENT

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16/15

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