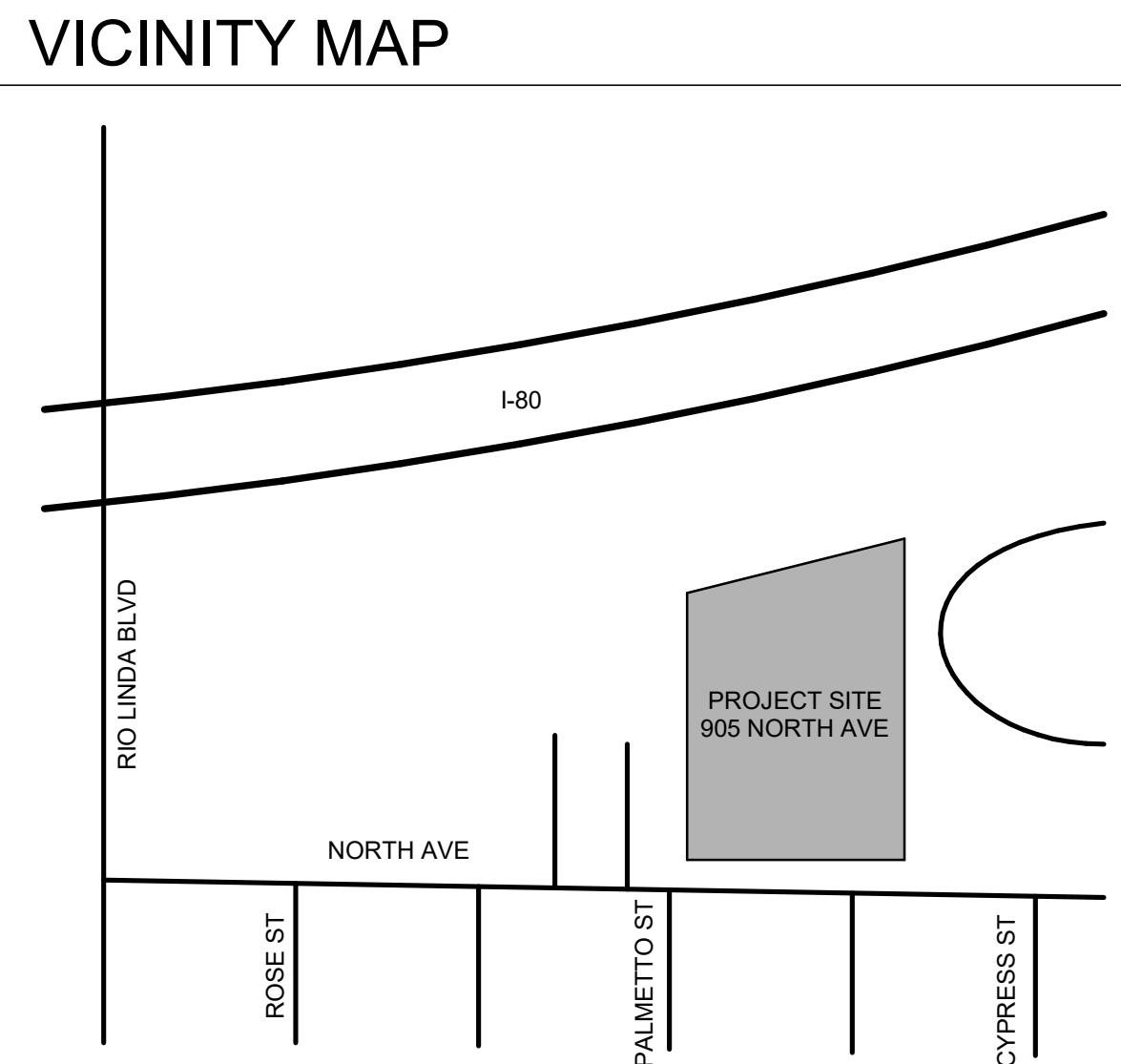




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NORTH AVENUE HALF-PLEXES
DARREN BROWN
APN # 237-0020-092
905 NORTH AVENUE, SACRAMENTO, CALIFORNIA

ABBREVIATIONS	
&	AND
AT	G. GAGE
DIAMETER	G.A. GALV.
NUMBER	GLU. LAM. GLUED LAMINATED WOOD
A/C UNIT	G.YP. GYPSUM
A.C.	H.B. HOSE BIBB
A.D.	H.C. HOLLOW CORE
ADDL.	HDWD. HARDWOOD
A.F.F.	HARDWARE
A.F.G.	HOLLOW METAL
A.H.U.	H.M. HORIZONTAL
ALUM.	HORIZ. HEIGHT
ARCH.	HT. S.C. SOLID CORE
BD	INSUL. SCHED.
BKG.	INT. STORM DRAIN
BLDG.	KITCHEN SHEET DRIVING SELF TAPPING
BOT.	LAB. LABORATORY SHEATHING
BTWN.	LAV. LATRORY SIMILAR
CAB.	MAX. MAXIMUM SHEET METAL
CEM.	MECH. MECHANICAL SPECIFICATION
CEM. PLAS.	MEMB. MEMBRANE
C.J.	MANUFACTURER
CLG.	MIN. MINIMUM
CLR.	MISC. MISCELLANEOUS
CL.	STRUCT. STRUCTURAL SUSPENDED
C.M.U.	MTD. MOUNTED SUSP. CLG. SUSPENDED CEILING
CONC.	MTL. METAL SYSTEM
CPT.	N.I.C. NOT IN CONTRACT TREAD
CSWK.	NO. NUMBER T&G
CTR.	N.T.S. NOT TO SCALE T.B.R.
DBL.	O/ OVER THK.
DET.	O.C. ON CENTER T.O.C.
D.F.	O.D. OUTSIDE DIAMETER T.O.P.
DIA.	O.F.C.I. OWNER FURNISHED T.O.P.
DIM.	CONTRACTOR INSTALLED TOPO.
DS.	OPP.H. OPPOSITE HAND T.O.S.
DWG.	OPP. OPPOSITE T.O.W.
(E)	P.L. PROPERTY LINE TYP.
EA	P.LAM. PLASTIC LAMINATE
ELECT.	PLUMB. PLUMBING
ELEV.	PLYWD. PLYWOOD
EQ	PNT. PAINT
EQUIP.	PROP. PROPERTY
E.W.	U.N.O. UNLESS NOTED OTHERWISE VERT.
EXP.	V.I.F. VERTICAL
EXT.	P.S.F. POUNDS PER SQUARE FOOT VERIFY IN FIELD
F.D.	P.S.I. POUNDS PER SQUARE INCH
F.E.	W/ WITH
F.E.C.	W/O WITHOUT
FIN.	W.C. WATER CLOSET
FLB.	WD. WOOD
FLR.	W.I.C. WALK IN CLOSET
F.O.C.	W.H. WATER HEATER
F.O.F.	WT. WEIGHT
F.O.M.	WTR. WATER
F.O.S.	
F.O.W.	
FP.	
F.R.P.	
FT.	
FTG.	



PROJECT DESCRIPTION

SCOPE OF WORK: SUBDIVISION OF (3) EXISTING PARCELS INTO (8) SINGLE FAMILY LOTS. CONSTRUCTION OF (6) STRUCTURALLY INDEPENDENT HALF-PLEX UNITS AND (1) SINGLE FAMILY UNIT. ONSITE AND OFFSITE IMPROVEMENTS UNDER SEPARATE APPLICATION.

CONSTRUCTION TYPE: TYPE VB

OCCUPANCY TYPE: R-3/U [SINGLE FAMILY RESIDENTIAL (R-3)/ GARAGE (U)]

ZONING: R-2A

SHEET INDEX

ARCHITECTURAL
G0.21. GENERAL INFORMATION

ARCHITECTURAL SITE (FOR REFERENCE ONLY)
A1.11 (FRO) OVERALL SITE PLAN (FOR REFERENCE ONLY)

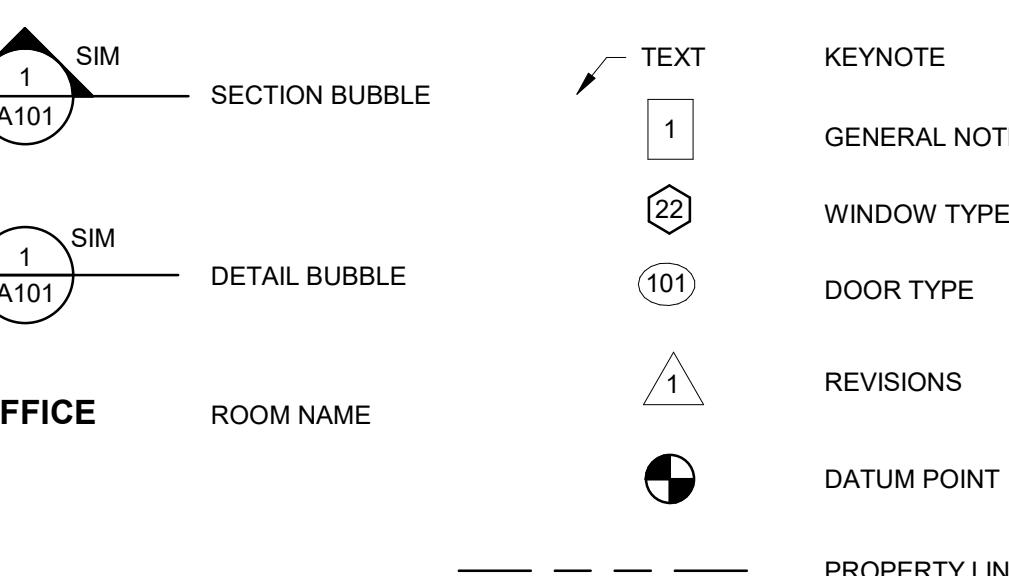
- OFFSITE (FOR REF. ONLY)
- C1. TITLE SHEET
- C2.1. GENERAL NOTES 1
- C2.2. GENERAL NOTES 2
- C3. EXISTING CONDITIONS
- C4. OFFSITE DEMOLITION PLAN
- C5. NORTH AVENUE PLAN AND PROFILE
- C6. OFFSITE UTILITY PLAN
- C7. OFFSITE GRADING, EROSION AND SEDIMENT CONTROL PLAN
- C8. OFFSITE EROSION AND SEDIMENT CONTROL NOTES AND DETAILS
- C9. CONSTRUCTION DETAILS
- C10. SIGNING AND STRIPING PLAN

- CIVIL ONSITE
- C1. TITLE SHEET
- C2.1. GENERAL NOTES
- C2.2. GENERAL NOTES 2
- C3. EXISTING CONDITIONS
- C4. DEMOLITION PLAN
- C5. HORIZONTAL CONTROL PLAN
- C6.1. GRADING, DRAINAGE AND PAVING PLAN
- C6.2. GRAZING AND DRAINAGE DETAILS
- C7. UTILITY PLAN
- C8. EROSION AND SEDIMENT CONTROL PLAN
- C9. EROSION AND SEDIMENT CONTROL NOTES AND DETAILS
- C10.1. CONSTRUCTION DETAILS 1
- C10.2. CONSTRUCTION DETAILS 2
- C10.3. CONSTRUCTION DETAILS 3

OFFSITE SITE ELECTRICAL (FOR REF. ONLY)
CE0. ELECTRICAL POWER OFFSITE PLAN

ONSITE SITE ELECTRICAL
E0. PHOTOMETRIC SITE PLAN
E1. ELECTRICAL POWER SITE PLAN
ENO. SITE LIGHTING ENERGY REPORT

DRAFTING SYMBOLS



GENERAL NOTES

- IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW ALL NOTES AND DETAILS IN THIS SET OF DRAWINGS AND INCORPORATE IN THE CONSTRUCTION OF STRUCTURE(S).
- CONSTRUCTION MUST CONFORM TO THE DESIGN APPROVED BY THE PLANNING DEPARTMENT IN THE CONDITIONS OF APPROVAL.
- ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH CURRENT CALIFORNIA CODE OF REGULATIONS AND ALL LOCAL CODES AND AUTHORITIES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURATE PLACEMENT OF THE BUILDINGS ON THE SITE.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS BEFORE STARTING WORK.
- SHOULD ANY CONDITION ARISE WHERE THE INTENT OF THE DRAWINGS IS IN DOUBT OR WHERE THERE IS A DISCREPANCY BETWEEN THE CONSTRUCTION DOCUMENTS AND THE FIELD CONDITIONS, THE ARCHITECT SHALL BE NOTIFIED AS SOON AS POSSIBLE FOR INSTRUCTIONS ON HOW TO PROCEED.
- SEE CIVIL ENGINEERING DRAWINGS FOR ADDITIONAL SITE WORK, AND IMPROVEMENTS WITHIN THE RIGHT OF WAY.
- PROVIDE AND INSTALL DI-ELECTRIC FITTINGS ON PIPING
- WHERE DISSIMILAR MATERIALS ARE JOINED, ALL FLASHINGS ARE TO BE INSTALLED PER SMACNA STANDARDS.
- PREPARE THE SITE IN ACCORDANCE WITH THE SOILS REPORT RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER.

APPLICABLE CODES

ALL WORK SHALL COMPLY WITH THE LOCAL ORDINANCES AND THE BUILDING CODES AS ADOPTED BY THE CITY OF SACRAMENTO.
2022 CRC (CALIFORNIA RESIDENTIAL CODE)
2022 CBC (CALIFORNIA BUILDING CODE)
2022 CPC (CALIFORNIA PLUMBING CODE)
2022 CMC (CALIFORNIA MECHANICAL CODE)
2022 CEC (CALIFORNIA ELECTRICAL CODE)
2022 CAL GREEN (CALIFORNIA GREEN BUILDING STANDARDS CODE)
2022 CALIFORNIA ENERGY CODE

PROJECT DIRECTORY

OWNER:

CONTACT: DARREN BROWN
4010 FOOTHILLS BLVD, STE. 103
ROSEVILLE, CA 95747
PH: 916.300.7962
EMAIL: darrenbrown@comcast.net

CIVIL ENGINEER:

CWE
CONTACT: BOB EYNCK
2260 DOUGLAS BLVD, STE. 160
ROSEVILLE, CA 95661
PH: 916.772.7800
EMAIL: reynck@cwecorp.com

ARCHITECT:

ELLIS ARCHITECTS, INC.
CONTACT: SARAH ELLIS
4132 C STREET
SACRAMENTO, CA 95819
PH: 916.440.6765
EMAIL: sarah@ellis-architects.com

SITE ELECTRICAL:

OPTIMIZED ENERGY
CONTACT: ALEXANDER NELKEN
PH: 916.626.5518
EMAIL: ajn@oefcinc.com

PLAN CHECK SET

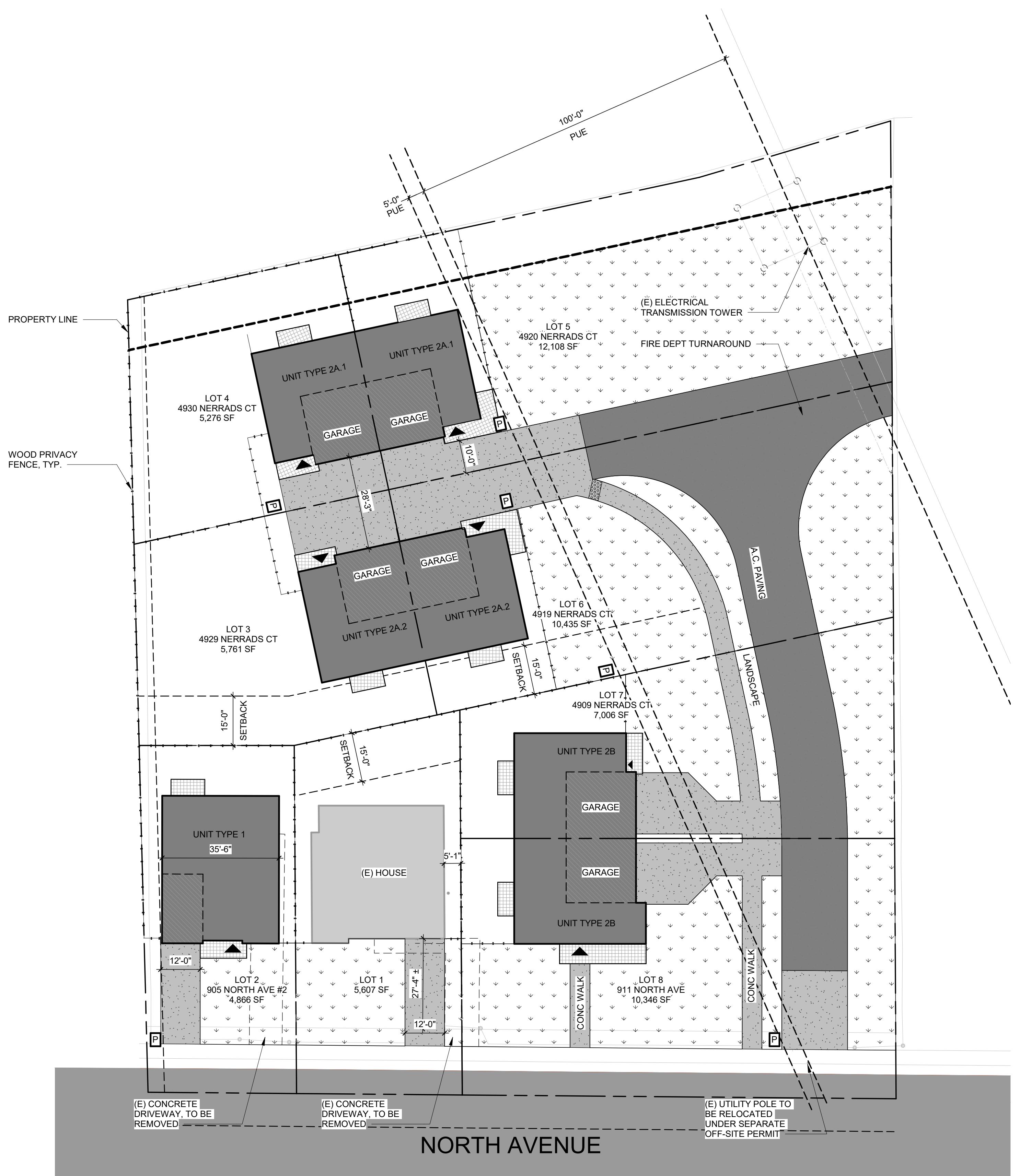
DATE:
06/02/2022

REVISIONS:
 ONSITE CYC4 09.20.2023

SHEET TITLE
GENERAL INFORMATION

SHEET NO.

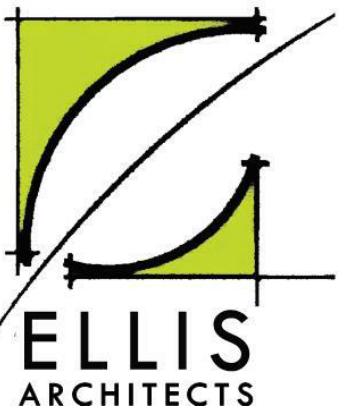
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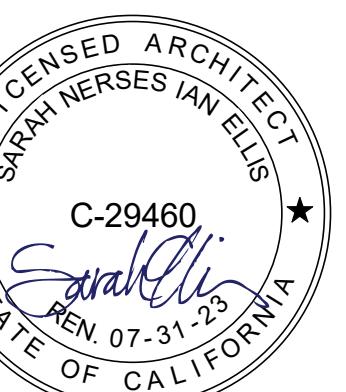
SITE PLAN

SITE PLAN GEN. NOTES

- PROJECT HAS RECEIVED DESIGN REVIEW APPROVAL FROM THE CITY OF SACRAMENTO. ROD#P19-036, DATED 07/09/2020.
- GRADE SITE AS INDICATED ON CIVIL PLANS. GRADE TO AVOID ON-SITE WATER RETENTION AND DRAINAGE ONTO ADJACENT SITE. NOTIFY ARCHITECT OF ANY DISCREPANCIES.
- GROUND IMMEDIATELY ADJACENT TO THE FOUNDATION SHALL BE SLOPED AWAY FROM THE BUILDING AT A SLOPE OF NOT LESS THAN 5% FOR A MINIMUM DISTANCE OF 10'-0" MEASURED PERPENDICULAR TO THE FACE OF THE WALL. IF OBSTACLE OR LOT LINE PROHIBIT 10'-0" HORIZONTAL DISTANCE, A 5% SLOPE SHALL BE PROVIDED TO AN APPROVED ALTERNATIVE METHOD OF DIVERTING WATER AWAY FROM THE FOUNDATION. IMPERVIOUS SURFACES WITHIN 10'-0" OF THE BUILDING FOUNDATION SHALL BE SLOPED A MINIMUM OF 2% AWAY FROM THE BUILDING. (CBC 1804.4, CRC R401.3)
- ANY SURVEY MONUMENT WITHIN THE AREAS OF CONSTRUCTION SHALL BE PRESERVED OR RESET BY A REGISTERED CIVIL ENGINEER OR LICENSED LAND SURVEYOR.
- VERIFY, LOCATE, AND INDICATE ALL PROPERTY CORNERS, SETBACKS, EASEMENTS, AND BUILDING LOCATION CORNERS PRIOR TO FOUNDATION INSPECTION.
- ALL FOOTINGS SHALL REST ON FIRM NATURAL SOIL OR COMPACTED FILL.
- VERIFY MINIMUM REQUIRED 'WATER' PIPE SIZE OF 1.5" AND MINIMUM REQUIRED 'WASTE' PIPE SIZE OF 4". NOTIFY CITY INSPECTOR OF ANY DISCREPANCY.
- MAINTAIN SAFETY CLEARANCE AT (E) POWER LINES PER CAL OSHA AND CALIFORNIA PUBLIC UTILITY COMMISSION GENERAL ORDER 95.
- SEE CIVIL DRAWINGS FOR ADDITIONAL INFORMATION.
- AT LOTS 3 & 6, THERE WILL BE NO REAR COVERED PORCH



4132 C Street
Sacramento, CA 95819
916.440.6765
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NORTH AVENUE HALF-PLEXES

DARREN BROWN

APN # 237-0020-092

PLAN CHECK SET

DATE:

SITE PLAN LEGEND

FOR REFERENCE ONLY

DESCRIPTION	LEGEND
PROPERTY LINE	EXISTING
ROW	PROPOSED
EASEMENT	
LOT LINE	
CENTERLINE	
SW. CURB & GUTTER	
DITCH / FLOWLINE	
EP	
STORM DRAIN	XX"SD
SANITARY SEWER	XX"SS
WATER LINE	XX"W
SDMH	
DRAINAGE INLET	
DIRECTION OF SURFACE FLOW	
OVERLAND RELEASE PATH	
SSMH	
SSCO	
FIRE HYDRANT	
WATER VALVE	
WATER METER	OWM
BACKFLOW PREVENTION ASSEMBLY	
REDUCED PRESSURE BACKFLOW PREVENTION ASSEMBLY	RP
BLOW OFF ASSEMBLY	
PIPE CAP	
UTILITY POLE	
UTILITY POLE WITH LIGHT	
STREET LIGHT	
SITE LIGHT	
JUNCTION/PULL BOX	PB
MONUMENT WELL	
BOLLARD	
SIGN	
FENCE	X X
MAJOR CONTOUR	25
MINOR CONTOUR	
GRADE BREAK LINE	GB
TREE & DRIP	
CONTROL POINT	
FINISH FLOOR ELEVATION	FF: 123.00
SPOT ELEVATION (ASPHALT CONCRETE)	X 157.01 AC
MATCH (E) GRADE ELEVATION	13.34 AC
TRUNCATED DOMES	
BUILDING	

CODE INFORMATION:

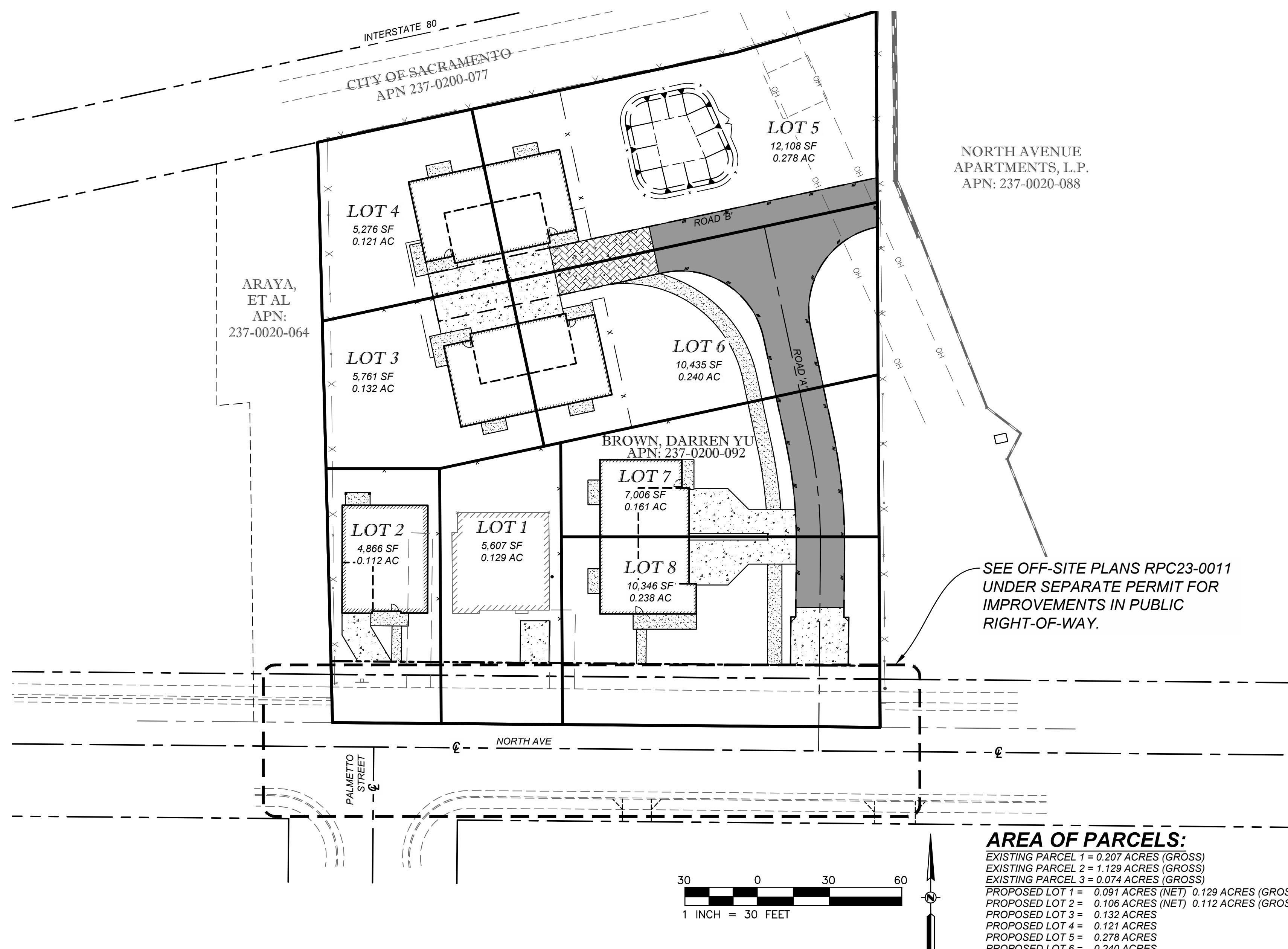
- 1. APPLICABLE CODES:
 - 2022 CALIFORNIA BUILDING CODE (CBC)
 - 2022 CALIFORNIA MECHANICAL CODE (CMC)
 - 2022 CALIFORNIA PLUMBING CODE (CPC)
 - 2022 CALIFORNIA ELECTRICAL CODE (CEC)
 - 2022 CALIFORNIA ENERGY CODE (CEC T-24)
 - 2022 CALIFORNIA FIRE CODE (CFC)
 - 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CGBSC)

ABBREVIATIONS:

AB	AGGREGATE BASE
AC	ASPHALT CONCRETE
ARV	AIR RELEASE VALVE
BC	BEGIN CURVE
BCR	BEGIN CURB RETURN
BOW	BACK-OF-WALK
BR	BOTTOM OF RAMP
CH	CHORD
C	CENTERLINE
CMF	CORRODED METAL PIPE
COTG	CLEAN-OUT TO GRADE
DI	DROP INLET
DIP	DUCTILE IRON PIPE
DS	DOWN SPOUT
DW	DOMESTIC WATER
(E)	EXISTING
EC	END CURVE
ECR	END CURB RETURN
EP	EDGE OF PAVEMENT
FDC	FIRE DEPARTMENT CONNECTION
FF	FINISH FLOOR
FG	FINISHED GROUND
FH	FIRE HYDRANT
FL	FLOW LINE
FG	FINISH PAVEMENT
FS	PIPE SERVICE
GB	GRADE BREAK
GR	GRAVE
GV	GATE VALVE
GVW	GROSS VEHICLE WEIGHT
HC	HANDICAP
HP	HIGH POINT
IRR	IRRIGATION
INV	INVERT
LT	LEFT TURN
OCEW	ON CENTER EACH WAY
OMP	OPEN METAL PIPE
(P)	PROPOSED
PCC	PORTLAND CEMENT CONCRETE
PG	PROFILE GRADE
PIV	POST INDICATOR VALVE
POC	POINT OF CONNECTION
PL	PROPERTY LINE
PUE	PUBLIC UTILITY EASEMENT
RCP	REINFORCED CONCRETE PIPE
ROW	RIGHT-OF-WAY
RT	RIGHT TURN
RPPA	REDUCED PRESSURE PRINCIPLE ASSEMBLY
RSP	ROCK SLOPE PROTECTION
RSD	SACRAMENTO AREA SEWER DISTRICT
SDMH	STORM DRAIN MANHOLE
SD	STORM DRAIN
SS	SANITARY SEWER
SSCO	SANITARY SEWER CLEAN OUT
SSMH	SANITARY SEWER MANHOLE
SWCT	SACUT
SW	SIDEWALK
STA	STATION
TC	TOP OF CURB
TP	TOP OF PAVEMENT
TS	TOP OF SIDEWALK
TR	TOP OF RAMP
TG	TOP OF GRATE
WATER	WATER
WV	WATER VALVE
WM	WATER METER
WWF	WELDED WIRE FABRIC

ON-SITE IMPROVEMENT PLANS FOR NERRADSCALI SUBDIVISION

CITY OF SACRAMENTO, STATE OF CALIFORNIA, 95838
APN: 237-0200-092
BUILDING PERMIT NO. COM2307306



FEMA FLOOD ZONE:

SUBJECT PROPERTY IS LOCATED WITHIN FLOOD ZONE "X", WITH A REDUCED RISK OF FLOODING DUE TO LEVEE. AS DETERMINED BY THE NATIONAL FLOOD INSURANCE PROGRAM, FLOOD INSURANCE RATE MAP COMMUNITY PANEL NO.: 06067C0064 DATED: 06/16/2015

NOTICE TO CONTRACTOR - ORDER OF WORK:

PRIOR TO THE START OF ANY CIVIL WORK, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL EXISTING UTILITIES BY POTHoling AT ALL POINTS OF POTENTIAL CONFLICT WITH PROPOSED UTILITIES OR PROPOSED POINTS OF CONNECTION WITH EXISTING UTILITIES. IF THE ACTUAL LOCATIONS OF THE EXISTING UTILITIES FOUND IN THE FIELD ARE DIFFERENT FROM WHAT IS SHOWN ON THESE PLANS, THE CONTRACTOR SHALL CONTACT RFE ENGINEERING IMMEDIATELY AND PROVIDE THE ACTUAL LOCATION INFORMATION. RFE ENGINEERING WILL VERIFY IF THERE ARE ANY CONFLICTS WITH THE IMPROVEMENTS AND WILL PROVIDE MODIFICATIONS TO THE DESIGN TO MITIGATE THE CONFLICTS IF ANY CONFLICTS EXIST. IN ADDITION, CONTRACTOR SHALL VERIFY ALL CONFORM ELEVATIONS FOR ANY DEVIATIONS FROM PLANS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CONTACT RFE ENGINEERING IMMEDIATELY AND PROVIDE ALL DEVIATION GRADE INFORMATION.

NOTE:
ALL CONSTRUCTION WITHIN PUBLIC RIGHT OF WAY AND WITHIN ANY P.U.E. SHALL REQUIRE AN ENCROACHMENT PERMIT FROM THE CITY OF SACRAMENTO.

NEW DRIVEWAYS WILL REQUIRE A SEPARATE DRIVEWAY DEPARTMENT OF PUBLIC WORKS.

NOTICE TO CONTRACTOR:

THIS PROJECT HAS AN APPROVED STATE GENERAL CONSTRUCTION PERMIT AND STORMWATER POLLUTION PREVENTION PLAN (SWPPP). WDID # 5534C400468. CONTRACTOR IS RESPONSIBLE TO HIRE A STATE CERTIFIED QSP (QUALIFIED SWPPP PRACTITIONER) TO OVERSEE IMPLEMENTATION OF THE SWPPP PRIOR TO START OF CONSTRUCTION. ALL REQUIRED INSPECTIONS, TRAINING AND REQUIRED TESTING AND REPORTING SHALL BE OVERSEEN BY THE QSP.

THE FINAL APPROVED SWPPP SHALL BE KEPT ON THE CONSTRUCTION SITE DURING CONSTRUCTION AND MAINTAINED BY THE QSP. CONTRACTOR SHALL SEND THE FINAL SWPPP WITH ALL INSPECTION, TESTING, AMENDMENTS, REPORTS AND OTHER DOCUMENTATION TO THE OWNER ONCE CONSTRUCTION HAS BEEN COMPLETED AND THE NOTICE OF TERMINATION SUBMITTED.

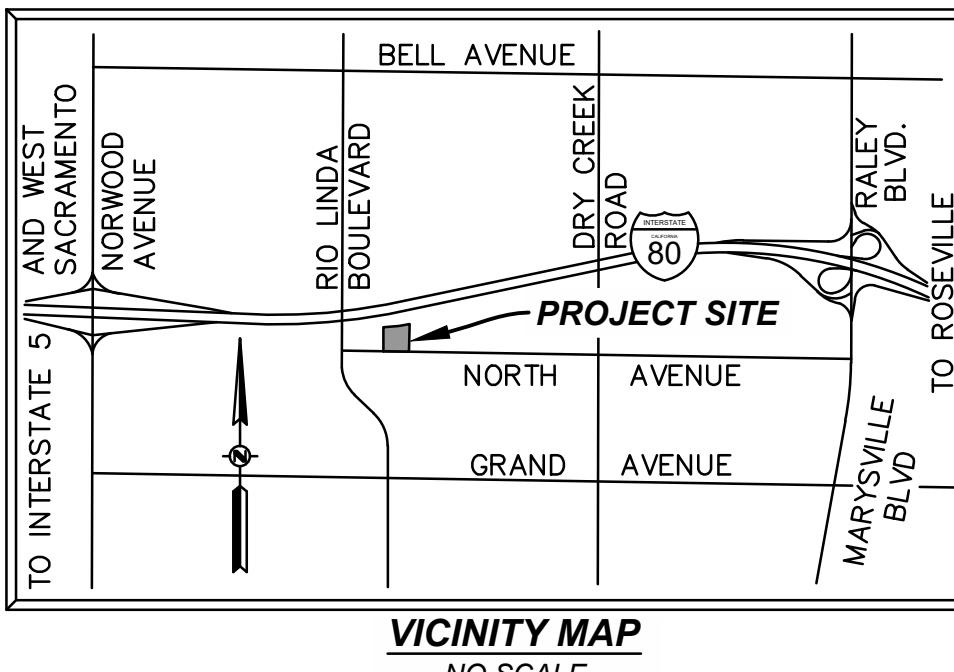
CONTRACTOR SHALL HAVE A PRECONSTRUCTION MEETING AND INCLUDE THE QSP AND CIVIL ENGINEER IN THE MEETING, EITHER ON-SITE OR VIA TELEPHONE CONFERENCE.

TOTAL DISTURBED AREA: 1.291 ACRES (ON-SITE)
TOTAL INCREASE IN IMPERVIOUS AREA: 0.438± ACRES

RAW EARTHWORK SUMMARY

CUT: 1,100 CY
FILL: 410 CY
NET: 690 CY EXPORT

NOTE:
EARTHWORK QUANTITIES ARE ESTIMATED TO SUBGRADE AND DO NOT TAKE INTO ACCOUNT SHRINKAGE, EXCESS MATERIALS FROM TRENCHING AND MISCELLANEOUS UNKNOWN STRUCTURAL SECTIONS. CONTRACTOR SHOULD VERIFY EARTHWORK QUANTITIES.



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PROPERTY OWNER / DEVELOPER:

NERRADSCALI CORPORATION
3960 KINGSBARS DRIVE
ROSEVILLE, CA 95747
CONTACT: DARREN BROWN
PH: (916) 300-7962
EMAIL: DARRENBROWN@COMCAST.NET

TOPOGRAPHIC SURVEY:

MICHAEL DEQUINE AND ASSOCIATES, INC.
1431 NORTH MARKET BOULEVARD, SUITE 7
SACRAMENTO, CA 95834
CONTACT: MICHAEL DEQUINE, L.S.
PH: (916) 285-0519
EMAIL: MDEQUINE@MDEQUINE.COM
LICENSE NUMBER: LS 5614

ASSESSOR'S PARCEL NO.:

APN: 237-0200-092

JURISDICTION:

CITY OF SACRAMENTO

USE:

EXISTING: RESIDENTIAL AND VACANT LAND
PROPOSED: MULTI-FAMILY DWELLING

ZONING:

R-2A MULTI-DWELLING UNIT ZONING

BENCHMARK:

BENCHMARK 278-A2C
A HILTI NAIL IN LIGHT BASE OF SE CORNER OF DRY CREEK ROAD AND NORTH AVENUE.
ELEV: 40.402' (NAVD88)

CONDITIONS OF APPROVAL:

PROJECT SHALL COMPLY WITH ALL CONDITIONS OF APPROVAL P19-036

GEOTECHNICAL REPORT:

BY: ALLIERON CONSULTING GROUP
REPORT NO: 05-22016G DATED:03-23-2022



ON-SITE IMPROVEMENT PLANS FOR
NERRADSCALI SUBDIVISION
SACRAMENTO, CA 95747
APN: 237-0200-092

TITLE SHEET

Sheet	C1	
1 of 14		DATE 9/12/2023

UNAUTHORIZED CHANGES AND USES:

THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THESE PLANS MUST BE APPROVED BY THE PREPARER OF THESE PLANS.

SUBMITTED BY:

ROBERT F. EYNCK, P.E. C040666 DATE
9/12/2023

PROJECT GENERAL NOTES:

- THE EXISTING BOUNDARY AND TOPOGRAPHIC INFORMATION SHOWN ON THESE PLANS IS FROM A TOPOGRAPHIC SURVEY PLAN AND SUPPLEMENTAL SURVEY PREPARED BY RFE ENGINEERING, AND REFERENCED ON SHEET C1. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS, ESPECIALLY POINTS OF CONNECTION TO EXISTING FACILITIES FOR ALL IMPROVEMENTS. PRIOR TO CONSTRUCTION OF APPLICABLE FACILITIES, CONTRACTOR SHALL NOTIFY RFE ENGINEERING, INC. IMMEDIATELY OF ANY DISCREPANCIES OR CONFLICTS DISCOVERED.
- THE CONTRACTOR AGREES THAT, IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD OWNERS AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXEMPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF ENGINEER.
- EXCAVATIONS SHALL BE ADEQUATELY SHORED, BRACED AND SHEETED SO THAT THE EARTH WILL NOT SLIDE OR SETTLE AND SO THAT ALL EXISTING IMPROVEMENTS OF ANY KIND WILL BE FULLY PROTECTED FROM DAMAGE. ANY DAMAGE RESULTING FROM A LACK OF ADEQUATE SHORING, BRACING AND SHEETING, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND HE SHALL AFFORD NECESSARY REPAIRS, OR RECONSTRUCTION AT HIS OWN EXPENSE WHERE THE EXCAVATION LEADS TO AN CONDUIT, TRENCH, AND/OR STRUCTURE IS PIVOTED, OR MORE IN DEPTH. THE CONTRACTOR SHALL PROVIDE ADEQUATE SHEETING, SHORING, AND BRACING OR EQUIVALENT METHOD FOR THE PROTECTION OF LIFE OR LIMB WHICH SHALL CONFORM TO THE APPLICABLE CONSTRUCTION SAFETY ORDERS OF THE DIVISION OF INDUSTRIAL SAFETY OF THE STATE OF CALIFORNIA. THE CONTRACTOR SHALL ALWAYS COMPLY WITH OSHA REQUIREMENTS.
- OWNER WILL OBTAIN THE GENERAL BUILDING PERMIT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ANY ADDITIONAL PERMITS NECESSARY TO PERFORM THE WORK SHOWN ON THESE PLANS FROM THE APPROPRIATE AGENCIES.
- THE CONTRACTOR SHALL TAKE EFFECTIVE ACTION TO PREVENT THE FORMATION OF AN AIRBORNE DUST NUISANCE AND SHALL BE RESPONSIBLE FOR ANY DAMAGE RESULTING FROM HIS FAILURE TO DO SO.
- THE CONTRACTOR SHALL PROVIDE FOR INGRESS AND EGRESS FOR PRIVATE PROPERTY ADJACENT TO WORK THROUGHOUT THE PERIOD OF CONSTRUCTION. TRAFFIC MOVEMENT SHALL BE MAINTAINED AT ALL TIMES. IF TRAFFIC CONTROL PROCEDURES ARE DEEMED NECESSARY, THE CONTRACTOR SHALL CONFORM TO THE "WATCH HANDBOOK" AND CALTRANS TRAFFIC MANUAL. CITY/COUNTY ENGINEERS APPROVAL IS REQUIRED PRIOR TO ANY DETOURING, DISRUPTION, OR INTERRUPTION OF THE NORMAL TRAFFIC FLOW.
- THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR FURNISHING, INSTALLING, AND MAINTAINING ALL WARNING SIGNS AND DEVICES NECESSARY TO SAFEGUARD THE GENERAL PUBLIC AND THE WORK, AND PROVIDE FOR THE PROPER AND SAFE ROUTING OF ALL VEHICULAR AND PEDESTRIAN TRAFFIC DURING THE PERFORMANCE OF THE WORK. THE REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO THE NORMAL WORKING HOURS.
- THE CONTRACTOR SHALL POST EMERGENCY TELEPHONE NUMBERS FOR POLICE, FIRE, AMBULANCE, AND THOSE AGENCIES RESPONSIBLE FOR MAINTENANCE OF UTILITIES IN THE VICINITY OF THE JOBSITE.
- ANY EXTRA CONSTRUCTION STAKING NECESSITATED SOLELY BY THE CONTRACTOR'S NEGLIGENCE WILL BE CHARGED TO THE CONTRACTOR ON A TIME AND MATERIAL BASIS, AND PAID FOR BY THE CONTRACTOR.
- STATIONING HEREON IS ALONG STREET CENTERLINE UNLESS OTHERWISE SHOWN OR INDICATED.
- ALL RETURN RADII AND CURB DATA ARE TO BOTTOM FACE OF CURB.
- ALL QUANTITIES AND PAY ITEMS ARE AND WILL BE BASED ON HORIZONTAL MEASUREMENTS.
- LENGTHS OF SANITARY SEWERS AND STORM DRAINS ARE HORIZONTAL DISTANCES FROM CENTER TO CENTER OF STRUCTURES, ROUNDED OFF TO THE NEAREST FOOT.
- EXISTING UNDERGROUND UTILITIES AND IMPROVEMENTS ARE SHOWN IN THEIR APPROXIMATE LOCATIONS BASED ON FACILITIES IDENTIFIED BY THE TOPOGRAPHIC SURVEY AND UPON RECORD INFORMATION AVAILABLE TO THE ENGINEER AT THE TIME OF DESIGN AND NO GUARANTEE IS MADE AS TO THE ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN. THE CONTRACTOR SHALL NOTIFY UTILITY COMPANIES AT LEAST 2 WORKING DAYS IN ADVANCE OF CONSTRUCTION TO FIELD LOCATE UTILITIES. CALL UNDERGROUND SERVICE ALERT (U.S.A.), AT 800-227-2600. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXISTENCE AND LOCATION OF THOSE UTILITIES SHOWN ON THESE PLANS OR INDICATED IN THE FIELD BY LOCATING SERVICES. ANY ADDITIONAL COSTS INCURRED AS A RESULT OF CONTRACTOR'S FAILURE TO VERIFY LOCATIONS OF EXISTING UTILITIES PRIOR TO BEGINNING OF CONSTRUCTION IN THEIR VICINITY SHALL BE BORNE BY THE CONTRACTOR AND ASSUMED INCLUDED AND MERGED IN THE CONTRACT UNIT PRICE.
- ALL EXISTING UTILITIES AND IMPROVEMENTS THAT BECOME DAMAGED DURING CONSTRUCTION SHALL BE COMPLETELY RESTORED TO THE SATISFACTION OF THE APPLICABLE AGENCY ENGINEER, AT THE CONTRACTOR'S SOLE EXPENSE.
- ANY RELOCATION OF PUBLIC UTILITIES SHALL BE CONDUCTED IN ACCORDANCE WITH ANY AND ALL REQUIREMENTS OF THE UTILITY COMPANY INCLUDING FEES, BONDS, PERMITS AND WORKING CONDITIONS, ETC. THIS WORK SHALL BE DONE AT NO EXPENSE TO THE UTILITY COMPANY. THE OWNER SHALL PAY THE COST OF ALL SUCH RELOCATION WORK INCLUDING FEES, BONDS, PERMITS, ETC.
- IF ARCHAEOLOGICAL MATERIALS ARE UNCOVERED DURING GRADING, TRENCHING OR OTHER EXCAVATION, EARTHWORK WITHIN 100 FEET OF THESE MATERIALS SHALL BE STOPPED UNTIL A PROFESSIONAL ARCHAEOLOGIST WHO IS CERTIFIED BY THE SOCIETY OF CALIFORNIA ARCHAEOLOGY (SCA) AND/OR THE SOCIETY OF PROFESSIONAL ARCHAEOLOGY (SPA) HAS HAD AN OPPORTUNITY TO EVALUATE THE SIGNIFICANCE OF THE FIND AND SUGGEST APPROPRIATE MITIGATION MEASURES, IF THEY ARE DEEMED NECESSARY.
- RFE ENGINEERING, INC. DOES NOT SPECIFY NOR RECOMMEND THE USE OR INSTALLATION OF ANY MATERIAL OR EQUIPMENT WHICH IS MADE FROM, OR WHICH CONTAINS ASBESTOS FOR USE IN THE CONSTRUCTION OF THESE IMPROVEMENTS. ANY PARTY INSTALLING OR USING SUCH MATERIAL OR EQUIPMENT SHALL BE SOLELY RESPONSIBLE FOR ALL INJURIES, DAMAGE OR LIABILITIES, OF ANY KIND, CAUSED BY THE USE OF SUCH MATERIALS OR EQUIPMENT. THE PROVISIONS OF THIS NOTE SHALL APPLY UNLESS THEY ARE EXPRESSLY WAIVED IN WRITING BY OWNER AND RFE ENGINEERING, INC.

PROJECT GENERAL NOTES (CONT):

- SHOULD IT APPEAR THAT THE WORK TO BE DONE OR ANY MATTER RELATIVE THERETO IS NOT SUFFICIENTLY DETAILED OR EXPLAINED ON THESE PLANS, THE CONTRACTOR SHALL CONTACT RFE ENGINEERING, INC. AT (916) 772-7800 FOR SUCH FURTHER EXPLANATIONS AS MAY BE NECESSARY.
- CONTRACTOR SHALL PROVIDE PROTECTIVE FENCING AROUND EXISTING TREES TO REMAIN SEE OTHER NOTES ON THESE PLANS. PROJECT CONDITIONS OF APPROVAL, AND SPECIFIC JURISDICTIONAL REQUIREMENTS FOR SUCH FENCING.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT AND ALL ADDENDA REFERENCED ON SHEET C1.
- THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL REGULATIONS, LAWS AND ORDINANCES, INCLUDING ALLOWABLE CONSTRUCTION HOURS, CONSTRUCTION NOISE NEAR RESIDENCES, DUST CONTROL AND EROSION CONTROL.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO REVIEW ALL CONTRACT DOCUMENTS INCLUDING ALL PLANS AND SPECIFICATIONS PREPARED BY OTHER DISCIPLINES FOR THIS PROJECT PRIOR TO THE START OF CONSTRUCTION. SUCH REVIEW SHALL BE CONTINUOUS THROUGHOUT THE CONSTRUCTION PROCESS. ANYTIME THAT A CONFLICT BETWEEN SUCH PLANS AND SPECIFICATIONS IS IDENTIFIED, THE CONTRACTOR SHALL CONTACT RFE ENGINEERING, INC. AND OTHER APPLICABLE DISCIPLINES TO REQUEST A VERIFICATION OF THE DESIGN REQUIREMENTS AND A RESOLUTION TO SUCH CONFLICTS PRIOR TO CONSTRUCTION OF SUCH FACILITIES.
- BEFORE EXECUTION OF ANY WORK, THE CONTRACTOR SHALL EXAMINE ACTUAL JOB CONDITIONS AND REPORT TO RFE ENGINEERING, INC. AND OWNER ANY ERROR, OMISSION, OR DISCREPANCY AFFECTING WORK. UPON COMMENCING CONSTRUCTION THE CONTRACT SHALL BE RESPONSIBLE FOR REPORTING ANY AND ALL CONFLICTS, ERRORS, OMISSIONS, ETC. TO RFE ENGINEERING, INC. IMMEDIATELY UPON DISCOVERY. IF SO DIRECTED BY THE ENGINEER OR CITY/COUNTY ENGINEER, THE CONTRACTOR SHALL STOP WORK UNTIL MITIGATION CAN BE MADE. ANY COST INCURRED RESULTING FROM THE CONTRACTOR'S FAILURE TO STOP WORK AS DIRECTED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- THE CONTRACTOR SHALL PROVIDE THE CIVIL ENGINEER "AS BUILT" DRAWINGS AT PROJECT COMPLETION. THE CONTRACTOR SHALL PROVIDE ONE COMPLETE ACCURATE SET OF RECORD CHANGES. THE CHANGES SHALL BE PLACED ON A CLEAN SET OF PROJECT DRAWINGS IN RED, AND GIVEN TO THE ENGINEER AT JOB COMPLETION.
- THE ENGINEERS ESTIMATE OF QUANTITIES IS FOR DESIGN REFERENCE ONLY. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR DETERMINING THE QUANTITIES FOR BID AND FIELD INSTALLATION. ALL CALCULATED EARTHWORK QUANTITIES FURNISHED FOR THIS PROJECT ARE APPROXIMATE. THE QUANTITIES HEREIN WERE CALCULATED TO FINISHED ROUGH GRADE AND EXISTING GROUND. THE ACTUAL MATERIALS MOVED ARE VARIABLE DEPENDENT UPON THE CONTRACTOR'S METHOD OF OPERATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE FOR ANY EXCESS OR SHORTAGE OF EARTH MATERIAL FOR THIS PROJECT AND NO ADDITIONAL PAYMENT WILL BE MADE.
- THESE DRAWINGS ARE FOR THIS SPECIFIC PROJECT AND NO OTHER USE IS AUTHORIZED. RFE ENGINEERING, INC. DISCLAIMS ALL RESPONSIBILITY FOR CONSTRUCTION BEYOND WHAT IS SPECIFICALLY DESIGNED OR DETAILED HEREIN.
- THE CONTRACTOR SHALL TAKE CARE TO PROTECT THE EXISTING SITE AND ADJACENT IMPROVEMENTS FROM DAMAGE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE RESULTING FROM THE CONSTRUCTION AND SHALL REPAIR OR MAKE REPLACEMENT TO CURRENT CITY/COUNTY STANDARDS. ALL SUCH WORK SHALL BE AT THE CONTRACTOR'S OWN EXPENSE. THE CONTRACTOR SHALL PERFORM THESE REPAIRS AND REMOVE ALL TRASH AND CONSTRUCTION DEBRIS AS DIRECTED BY RFE ENGINEERING, INC. OR THE CITY/COUNTY ENGINEER.
- THE AGENCY, CITY/COUNTY ENGINEER, OWNER OR RFE ENGINEERING, INC. MAY REQUIRE THE CONTRACTOR TO UNCOVER ANY IMPROVEMENTS THAT HAVE BEEN COMPLETED WITHOUT PROPER INSPECTION AND/OR APPROVAL. IF THE INSTALLATION IS FOUND NOT TO MEET APPLICABLE STANDARDS OR PREVIOUSLY APPROVED ALTERNATIVES SHOWN ON THE PLANS, THE CONTRACTOR MAY BE REQUIRED TO REMOVE AND REPLACE SUCH IMPROVEMENTS AT HIS OWN EXPENSE.
- THE CONTRACTOR IS RESPONSIBLE FOR PRESERVATION AND PROTECTION OF EXISTING SURVEY AND PROPERTY CORNER MONUMENTS THAT EXIST AT THE TIME OF CONSTRUCTION IN THE AREA WHERE CONSTRUCTION ACTIVITIES OCCUR. MONUMENTS DISTURBED OR LOST DUE TO CONSTRUCTION ACTIVITIES WILL REQUIRE THAT THE CONTRACTOR HAVE THEM REPLACED IN KIND, BY A LICENSED CALIFORNIA LAND SURVEYOR, WHO WILL BE REQUIRED TO FILE WITH THE COUNTY EITHER A CORNER RECORD OR A RECORD OF SURVEY, WHICHEVER WILL MEET THE REQUIREMENTS OF THE LAND SURVEYOR'S ACT, SECTION 8771(B).

GENERAL PAVING NOTES:

- CONSTRUCTION OF ALL PAVING SHALL BE CONSISTENT WITH REQUIREMENTS OUTLINED IN THE PROJECT GEOTECHNICAL ENGINEERING REPORT AND ALL ADDENDA.
- PROPER PREPARATION OF THE SUBGRADE IS ESSENTIAL FOR OPTIMUM LONG-TERM PERFORMANCE OF THE CONCRETE PAVING. WHEN SUBGRADE IS SHAPED, LARGE EMBEDDED OBJECTS SHALL BE REMOVED AND THE TOP 12-INCHES OF SOIL SHALL BE THOROUGHLY MOISTURE CONDITIONED TO THE OPTIMUM MOISTURE CONTENT AND UNIFORMLY COMPACTION TO 95% RELATIVE COMPACTION. THE UPPER 6-INCHES OF SOIL, SHALL BE THOROUGHLY MOISTURE CONDITIONED TO THE OPTIMUM MOISTURE CONTENT AND UNIFORMLY COMPACTION TO 95% RELATIVE COMPACTION FOR ALL STRUCTURAL SECTIONS SPECIFIED ON THESE PLANS. ALL UNSUITABLE SOIL SHALL BE REMOVED AND REPLACED WITH AN ACCEPTABLE ENGINEERED FILL.
- CLASS 2 AGGREGATE BASE SHALL BE UNIFORM IN DEPTH AND COMPACTION TO 95% RELATIVE COMPACTION.
- ACCEPTABLE TOLERANCES FOR FINE GRADING OF THE SUBGRADE AND AGGREGATE BASE ARE NO MORE THAN 1/4-INCH ABOVE OR 1/4-INCH BELOW THE DESIGN GRADE.
- PORTLAND CEMENT CONCRETE (PCC):
 - MINIMUM COMPRESSIVE STRENGTH: 4,000 PSI IN 28 DAYS
 - SLUMP: 3" TO 4"
 - AIR ENTRAINMENT: 5% TO 6%
 - AGGREGATE: MAXIMUM 3/4 - INCH CRUSHED (ROUGH-TEXTURED, ANGULAR-SHAPED)
 - ADMIXTURES CONTAINING CHLORIDES AND SULFIDES ARE NOT ACCEPTABLE.
- REINFORCING STEEL, IF SPECIFIED ON THE PLANS, SHALL BE CHAIRED AND LOCATED MID-SLAB DEPTH. REINFORCEMENT AND SPACING SHALL BE AS SPECIFIED ON THE PAVING PLAN. DEFORMED REINFORCEMENT SHALL BE GRADE 60 STEEL.

GENERAL PAVING NOTES (CONT):

- HEAVY DUTY TRAFFIC RATED PCC SLABS SHALL BE CONSTRUCTED WITH THICKENED EDGES, AT LEAST TWICE THE SPECIFIED SLAB THICKNESS AND TAPERED 4-FEET WIDE MEASURED HORIZONTALLY FROM THE PERIMETER OF THE SLAB. SEE DETAILS.
- FORMS SHALL BE STRAIGHT, FREE FROM WARPING, AND STRONG ENOUGH TO RESIST THE LATERAL PRESSURE OF THE CONCRETE. A FORM RELEASE AGENT SHALL BE APPLIED TO EASE STRIPPING.
- CONCRETE SHALL BE PLACED CONTINUOUSLY AS CLOSE AS POSSIBLE TO ITS FINAL POSITION AND BE CONSOLIDATED.
- IMMEDIATELY FOLLOWING STRIKE-OFF, THE SURFACE SHALL BE LEVELED WITH A BULLFLOAT OR A SCRAPING STRAIGHTEDGE. THE SURFACE SHALL NOT BE FINISHED MORE THAN NECESSARY TO REMOVE IRRREGULARITIES. ALL EDGES, TOOLED JOINTS, AND ISOLATION JOINTS SHALL BE ROUNDED TO THE SPECIFIED RADIUS WITH APPROPRIATE TOOLS. THE USE OF HAND OR POWER FLOATS AND TROWELS IS NOT NECESSARY AND IS NOT RECOMMENDED.
- AS SOON AS THE FINISHED CONCRETE HAS SET SUFFICIENTLY TO MAINTAIN A TEXTURE AND NO BLEED WATER REMAINS ON THE SURFACE, THE SURFACE CAN BE DRAGGED WITH A SHORT LENGTH OF DAMP BURLAP OR OTHER MATERIAL SUCH AS SYNTHETIC TURF CARPETING. AS AN ALTERNATIVE, THE SURFACE CAN BE BROOMED TO DEVELOP A SKID-RESISTANCE SURFACE AND UNIFORM APPEARANCE. SEE ARCHITECTURAL PLANS FOR ADDITIONAL SPECIAL CONCRETE FINISH REQUIREMENTS AND JOINT PATTERN REQUIREMENTS. UNLESS OTHERWISE SPECIFIED ON THE ARCHITECT'S PLANS, ALL CONCRETE SHALL HAVE A LIGHT BROOM FINISH.
- THE CONCRETE SHALL BE PROTECTED FROM DAMAGE DURING THE CURING PROCESS.
- CURING:
 - COLD TEMPERATURES - CONCRETE SHALL BE PROTECTED FROM FREEZING FOR AT LEAST 5-DAYS AFTER PLACEMENT. FOR FORECAST TEMPERATURES AROUND 32 TO 25 DEGREES FAHRENHEIT THE CONCRETE SHALL BE COVERED WITH POLYETHYLENE SHEETING. FOR COLDER TEMPERATURES, TWO SHEETS OF POLYETHYLENE SEPARATED BY 12-INCHES OF STRAW OR A SIMILAR DEGREE OF INSULATION.
 - WARM TEMPERATURES - WET CURING OR LIQUID MEMBRANE-FORMING CURING COMPOUND SHALL BE INITIATED IMMEDIATELY AFTER FINISHING IN SUNNY, WINDY, AND WARM CONDITIONS.
 - CONTRACTOR SHALL HAVE ENOUGH PLASTIC SHEETING AVAILABLE ON THE PROJECT SITE TO COMPLETELY COVER ANY SURFACES THAT MAY BE DAMAGED IN THE EVENT OF RAIN. THERE SHALL ALSO BE ADEQUATE WEIGHTS AVAILABLE TO KEEP THE PLASTIC SHEETING FROM BLOWING AWAY. FOR CONCRETE ON A SLOPE, DIVERSION SHALL BE PROVIDED FOR POTENTIAL RUN-ON TO PROTECT FROM WATER ABOVE WASHING ACROSS THE SURFACE.
- CONCRETE JOINTS:
- ISOLATION / EXPANSION JOINTS:

SLAB THICKNESS (INCHES)	JOINT DEPTH (INCHES)	JOINT TROWEL RADIUS (INCHES)	MAXIMUM JOINT SPACING (FEET) (EACH DIRECTION)
4	1	3/8	8
5	1 1/4	3/8	10
6	1 1/2	3/8	12
6 1/2	1 5/8	3/8	13
7	1 7/8	3/8	14
8	2	3/8	15

TOOLING OR EARLY-ENTRY DRY-CUT SAW JOINTS ARE DESIRED TO PLACE JOINTS BEFORE DEVELOPMENT OF TENSILE STRESSES THAT ARE GREAT ENOUGH TO INITIATE CRACKING, THUS INCREASING THE PROBABILITY OF CRACKS FORMING AT THE JOINT. CONTRACTION JOINT PATTERNS SHOULD DIVIDE PAVEMENTS INTO APPROXIMATELY SQUARES. THE LENGTH OF A PANEL SHOULD NOT BE MORE THAN 25% GREATER THAN ITS WIDTH.

CONSTRUCTION JOINTS

CONSTRUCTION JOINTS ARE STOPPING PLACES IN THE PROCESS OF CONSTRUCTION

BUTT TYPE CONSTRUCTION JOINT WITH DOWEL
SMOOTH STEEL DOWEL BAR COATED TO PREVENT BOND
MINIMUM 1-FOOT LONG - 6-INCHES IN EACH SIDE OF JOINT
EDGE EACH SIDE WITH 1/8-INCH RADIUS.

DOWELS SHALL BE PLACED A MINIMUM OF 12-INCHES AWAY FROM ANY JOINT INTERSECTION.

PREVENT BOND OF CONCRETE AT JOINT OR EXTEND REBAR 1" MINIMUM BEYOND INITIAL SECTION TO TIE IN SECONDARY SECTION.

GENERAL PAVING NOTES CONT.:

- HEAVY DUTY TRAFFIC RATED PCC SLABS SHALL BE CONSTRUCTED WITH THICKENED EDGES, AT LEAST TWICE THE SPECIFIED SLAB THICKNESS AND TAPERED 4-FEET WIDE MEASURED HORIZONTALLY FROM THE PERIMETER OF THE SLAB. SEE DETAILS.
- SCORE JOINTS - HAND TROWELED FOR AESTHETICS ONLY. SEE ARCHITECTURE PLAN FOR PATTERN IF NOT SPECIFIED ON CIVIL PLANS. FIT ALL OTHER CONTRACTION AND CONSTRUCTION JOINTS INTO THIS PATTERN
- ALL ISOLATION / EXPANSION JOINTS SHALL BE CAPPED WITH GREENSTREAK G-SEAL PAVING CAP SEAL PROFILE #610 OR #628 AS APPROPRIATE FOR USE.
- ALL CONTRACTION CONTROL AND CONSTRUCTION JOINTS SHALL BE SEALED WITH SIKAFLEX SELF-LEVELING SEALANT (COLOR TO MATCH CONCRETE) OR APPROVED EQUIVALENT. JOINT WALLS AND ALL SURFACES TO WHICH THE SEALING MATERIAL IS TO ADHERE SHALL BE SURFACE DRY FOR AT LEAST THREE HOURS PRIOR TO SEALING. THE SURFACE OF THE SEALING COMPOUND SHALL BE A MAXIMUM OF 1/8-INCH BELOW THE LEVEL OF THE PCC SLAB SURFACE.
- CONTRACTOR SHALL TAKE PRECAUTIONS TO REDUCE RAPID LOSS OF MOISTURE FROM THE CONCRETE AND REDUCE PLASTIC SHRINKAGE CRACKING, PRIOR TO PLACEMENT, DURING PLACEMENT AND UP TO 5-DAYS AFTER PLACEMENT AND FINISHING OF THE CONCRETE.
- SEE ARCHITECTURAL PLANS FOR ADDITIONAL SPECIAL CONCRETE FINISH REQUIREMENTS AND JOINT PATTERN REQUIREMENTS. UNLESS OTHERWISE SPECIFIED ON THE ARCHITECT'S PLANS, ALL CONCRETE SHALL HAVE A LIGHT BROOM FINISH.

GENERAL PAVING NOTES CONT.:

- ALL CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE CITY OF SACRAMENTO GRADING, EROSION, AND SEDIMENT CONTROL ORDINANCE (ORD. NO. 93-068).
- GRADING, TRENCHING, CUTTING AND/OR FILLING WITHIN THE Drip LINE OF THOSE TREES DESIGNATED ON THE SITE PLAN FOR PRESERVATION SHALL NOT OCCUR. NO ACTIONS SHALL BE TAKEN THAT WILL HARM THE HEALTH, VITALITY OR LONGEVITY OF THOSE TREES IDENTIFIED ON THE SITE PLAN FOR PRESERVATION.
- THE CONTRACTOR IS HEREBY NOTIFIED THAT PRIOR TO COMMENCING CONSTRUCTION, HE IS RESPONSIBLE FOR CONTACTING THE UTILITY COMPANIES INVOLVED AND REQUESTING A VERIFICATION AT THE CONSTRUCTION SITE OF THE LOCATIONS OF THEIR UNDERGROUND UTILITIES WHERE SUCH FACILITIES MAY POSSIBLY CONFLICT WITH THE PLACEMENT OF IMPROVEMENTS AS SHOWN ON THESE IMPROVEMENT PLANS. THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THIS PROJECT WILL BE REQUIRED TO NOTIFY MEMBERS OF UNDERGROUND SERVICE ALERT 48 HOURS IN ADVANCE OF PERFORMING WORK, BY CALLING THE TOLL FREE NUMBER 1-800-642-2444. EXCAVATIONS FOR THE PURPOSE OF THESE REQUIREMENTS, SHALL BE DEFINED AS BEING 18" (INCHES) OR MORE IN DEPTH.
- WORKMANSHIP SHALL CONFORM TO THE CITY OF SACRAMENTO STANDARD SPECIFICATIONS DATED: JUNE, 2007. THE CONTRACTOR SHALL OBTAIN AND USE ALL APPLICABLE ADDENDA.
- ALL GRADING SHALL COMPLY WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT, SEE SHEET C1.
- ALL SLOPE BANKS ARE 2:1 MAXIMUM UNLESS OTHERWISE NOTED.
- ALL APPLICABLE FEES TO BE PAID AND PERMITS REQUIRED SHALL BE OBTAINED BY THE CONTRACTOR BEFORE COMMENCEMENT OF CONSTRUCTION.
- MAXIMUM TOLERANCE FROM PAD ELEVATIONS SHALL BE +/- 0.2 FEET.
- ANY GRADING OPERATIONS OUTSIDE OF SUBDIVISION BOUNDARY SHALL REQUIRE A RIGHT-OF-ENTRY.
- ALL GRADING SHALL BE IN CONFORMANCE WITH THE CITY OF SACRAMENTO GRADING, EROSION, AND SEDIMENT CONTROL ORDINANCE (ORD. NO. 93-068).

CONSTRUCTION MATERIALS AND GRADING NOTES:

- ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH FHA STANDARDS.
- CONSTRUCTION MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE CITY OF SACRAMENTO STANDARD SPECIFICATIONS. THE CONTRACTOR SHALL OBTAIN AND USE ALL APPLICABLE ADDENDA.
- ALL SLOPE BANKS ARE 2:1 MAXIMUM UNLESS OTHERWISE NOTED.
- ALL APPLICABLE FEES TO BE PAID AND PERMITS REQUIRED SHALL BE OBTAINED BY THE CONTRACTOR BEFORE COMMENCEMENT OF CONSTRUCTION.
- MAXIMUM TOLERANCE FROM PAD ELEVATIONS SHALL BE +/- 0.2 FEET.
- ANY GRADING OPERATIONS OUTSIDE OF SUBDIVISION BOUNDARY SHALL REQUIRE A RIGHT-OF-ENTRY.
- ALL GRADING SHALL BE IN CONFORMANCE WITH THE CITY OF SACRAMENTO GRADING, EROSION, AND SEDIMENT CONTROL ORDINANCE (ORD. NO. 93-068).
- GRADING, TRENCHING, CUTTING AND/OR FILLING WITHIN THE Drip LINE OF THOSE TREES DESIGNATED ON THE SITE PLAN FOR PRESERVATION SHALL NOT OCCUR. NO ACTIONS SHALL BE TAKEN THAT WILL HARM THE HEALTH, VITALITY OR LONGEVITY OF THOSE TREES IDENTIFIED ON THE SITE PLAN FOR PRESERVATION.
- THE CONTRACTOR IS HEREBY NOTIFIED THAT PRIOR TO COMMENCING CONSTRUCTION, HE IS RESPONSIBLE FOR CONTACTING THE UTILITY COMPANIES INVOLVED AND REQUESTING A VERIFICATION AT THE CONSTRUCTION SITE OF THE LOCATIONS OF THEIR UNDERGROUND UTILITIES WHERE SUCH FACILITIES MAY POSSIBLY CONFLICT WITH THE PLACEMENT OF IMPROVEMENTS AS SHOWN ON THESE IMPROVEMENT PLANS. THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THIS PROJECT WILL BE REQUIRED TO NOTIFY MEMBERS OF UNDERGROUND SERVICE ALERT 48 HOURS IN ADVANCE OF PERFORMING WORK, BY CALLING THE TOLL FREE NUMBER 1-800-642-2444. EXCAVATIONS FOR THE PURPOSE OF THESE REQUIREMENTS, SHALL BE DEFINED AS BEING 18" (INCHES) OR MORE IN DEPTH.
- WORKMANSHIP SHALL CONFORM TO THE CITY OF SACRAMENTO STANDARD SPECIFICATIONS DATED: JUNE, 2007. THE CONTRACTOR SHALL OBTAIN AND USE ALL APPLICABLE ADDENDA.
- ALL GRADING SHALL COMPLY WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT, SEE SHEET C1.
- ALL SLOPE BANKS ARE 2:1 MAXIMUM UNLESS OTHERWISE NOTED.
- MAXIMUM TOLERANCE FROM PAD ELEVATIONS SHALL BE +/- 0.2'.
- ANY GRADING OPERATIONS OUTSIDE OF PROJECT BOUNDARY SHALL REQUIRE A RIGHT-OF-ENTRY.
- ALL GRADING SHALL BE IN CONFORMANCE WITH THE CITY OF SACRAMENTO GRADING, EROSION, AND SEDIMENT CONTROL ORDINANCE (ORD. NO. 93-068).

CITY OF SACRAMENTO GENERAL NOTES:

- ALL CONSTRUCTION MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE CITY OF SACRAMENTO STANDARD SPECIFICATIONS DATED NOVEMBER 2020. THE CONTRACTOR SHALL OBTAIN AND USE ALL APPLICABLE ADDENDA.
- THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL EXISTING UTILITIES AND FOR THE PROTECTION OF AND REPAIR OF DAMAGE TO THEM. CONTACT UNDERGROUND SERVICE ALERT 1-800-642-2444, 48 HOURS BEFORE WORK IS TO BEGIN.
- FOR ALL TRENCH EXCAVATIONS 5 FEET OR MORE IN DEPTH, THE CONTRACTOR SHALL OBTAIN A PERMIT FROM THE DIVISION OF INDUSTRIAL SAFETY (2422 ARDEN WAY, SUITE 165, SACRAMENTO, PHONE 263-2800) PRIOR TO BEGINNING ANY EXCAVATION. A COPY OF THIS PERMIT SHALL BE AVAILABLE AT THE CONSTRUCTION SITE AT ALL TIMES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR AND FURNISH, INSTALL, AND MAINTAIN TEMPORARY SIGNS, BRIDGES, BARRICADES, FLAGMAN, AND OTHER FACILITIES TO ADEQUATELY SAFEGUARD THE GENERAL PUBLIC AND WORK, AND TO PROVIDE FOR THE PROPER ROUTING OF VEHICULAR AND PEDESTRIAN TRAFFIC. CONSTRUCTION OPERATIONS SHALL COMPLY WITH THE WORK AREA TRAFFIC CONTROL HANDBOOK (WATCH).
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING SURVEY MONUMENTS OR MARKERS DURING CONSTRUCTION.
- THE CONTRACTOR SHALL MAINTAIN ALL EXISTING DRAINAGE AND SEWER FACILITIES WITHIN THE CONSTRUCTION AREA UNTIL NEW DRAINAGE AND SEWER IMPROVEMENTS ARE IN PLACE AND FUNCTIONING.
- IF UNUSUAL AMOUNTS OF BONE, STONE OR ARTIFACTS ARE UNCOVERED, WORK WITHIN 50 METERS OF THE AREA SHALL CEASE IMMEDIATELY AND A QUALIFIED ARCHAEOLOGIST AND A REPRESENTATIVE OF THE NATIVE AMERICAN HERITAGE COMMISSION SHALL BE CONSULTED TO DEVELOP, IF NECESSARY, MITIGATION MEASURES TO REDUCE ANY ARCHAEOLOGICAL IMPACT TO A LESS THAN SIGNIFICANT EFFECT BEFORE CONSTRUCTION RESUMES IN THE AREA.
- COST TO REMOVE AND REPLACE EXISTING PAVEMENT OVER THE WATER, STORM AND SANITARY LINE TRENCHES SHALL BE INCLUDED IN THE PRICE BID FOR PIPE IN PLACE. REPLACEMENT SHALL BE 4" AC AND 12" AB, MINIMUM, OR INDICATED ON THE PLANS.
- PIPE AND MANHOLE DIMENSIONS ARE TO THE CENTERLINE, UNLESS OTHERWISE NOTED.
- ALL TAPS 24 INCHES AND SMALLER INTO SEWER & DRAIN MANHOLES SHALL BE CORE BORED WITH KOR-N-SEAL TAPS OR APPROVED EQUAL 11. ANY WATER ENTERING THE SANITARY SEWER SYSTEM TO BE CONSTRUCTED UNDER THESE PLANS SHALL NOT BE DISCHARGED TO THE EXISTING SYSTEM. PLUGS MUST BE INSTALLED IN EXISTING MANHOLES AS NECESSARY TO PERMIT PUMPING THE NEW SYSTEM CLEAR OF WATER AND DEBRIS PRIOR TO ACCEPTANCE. CARE SHALL BE EXERCISED IN LOCATING PLUGS TO AVOID INTERRUPTING SERVICES TO EXISTING CONNECTIONS. MORTAR OR BRICK PLUGS MUST BE USED, INFLATABLE DEVICES ARE NOT SATISFACTORY.
- DRAIN PIPE MATERIAL SHALL BE REINFORCED CONCRETE PIPE C-76 CL III, NON-REINFORCED CONCRETE PIPE C-14 CL III, PVC SDR 35 OR AS SPECIFIED ON PLANS. IN ALL CASES, JOINTS FOR CONCRETE PIPE SHALL BE RUBBER GASKETED JOINTS.
- DRAIN INLET LEADS SHALL BE PVC C-900 CL 150, RCP C-76 CL III, OR NON-REINFORCED CONCRETE C-14 CL III.
- SANITARY SEWER PIPE MAINS SHALL BE CONSTRUCTED OF V.C.P., A.B.S. OR P.V.C. UNLESS OTHERWISE SPECIFIED ON THE PLANS.
- AGGREGATE SUBBASE SHALL CONFORM TO CALTRANS SPECIFICATIONS DATED: JULY, 1992 A.S.B. SECTION 25.
- A STORMWATER PERMIT MUST BE OBTAINED WHEN CONSTRUCTION ACTIVITY RESULTS IN SOIL DISTURBANCE OF ONE (1) OR MORE ACRES. THE STATE WATER RESOURCES CONTROL BOARD, DIVISION OF WATER QUALITY, STORMWATER PERMIT, P.O. BOX 1977, SACRAMENTO, CA 95812-1977, SHALL BE CONTACTED TO OBTAIN THE PERMIT PRIOR TO BEGINNING CONSTRUCTION.
- IF WORK SHOWN ON THESE PLANS HAS NOT COMMENCED WITHIN TWO YEARS FROM THE DATE OF THE CITY'S ACCEPTANCE OF THE PLANS, A SUBSEQUENT PLAN REVIEW AT THE CITY'S DISCRETION AND THE DEVELOPER'S EXPENSE MAY BE NECESSARY.
- THE CONTRACTOR SHALL COMPLY WITH THE CITY OF SACRAMENTO ADMINISTRATIVE AND TECHNICAL MANUAL FOR GRADING/EROSION AND SEDIMENT CONTROL. CONTRACTOR SHALL HAVE ALL APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES IN PLACE FOR THE WINTER MONTHS PRIOR TO OCTOBER 1 AND MUST ENSURE THAT THE CONSTRUCTION SITE IS PREPARED PRIOR TO THE ONSET OF ANY STORM.

CITY OF SACRAMENTO WATER NOTES:

REVISED 03/25/2021

- ALL CONSTRUCTION AND MATERIAL ASSOCIATED WITH THIS PLAN SHALL BE IN ACCORDANCE WITH THE CITY OF SACRAMENTO STANDARD SPECIFICATIONS, DATED NOVEMBER 2020 AND ALL APPLICABLE ADDENDA AND STANDARD DRAWINGS.
- CONTRACTOR SHALL CALL 808-6810 FOR A PUBLIC WORKS CONSTRUCTION INSPECTOR A MINIMUM OF 48 HRS PRIOR TO BEGINNING OF WORK WITHIN THE RIGHT-OF-WAY.
- THE CITY OF SACRAMENTO STANDARD DRAWINGS HAVE BEEN MODIFIED. THE CONTRACTOR SHALL BE IN POSSESSION OF CURRENT STANDARD WATER DRAWINGS (W). COPIES OF THESE DRAWINGS CAN BE DOWNLOADED FROM [HTTP://WWW.CITYOF SACRAMENTO.ORG/UTILITIES/RESOURCES/RESOURCES](http://WWW.CITYOF SACRAMENTO.ORG/UTILITIES/RESOURCES/RESOURCES).
- THE CONTRACTOR SHALL PAY ALL FEES FOR TAPS, TIE-IN CONNECtIONS AND METER INSTALLATION IN ADVANCE AT THE COMMUNITY DEVELOPMENT DEPARTMENT OFFICE AT 300 RICHARDS BLVD., THIRD FLOOR PUBLIC COUNTER. FEES ARE SUBJECT TO CHANGE EVERY JULY 1ST OR AT ANY TIME. FOR CURRENT FEES VISIT [HTTPS://WWW.CITYOF SACRAMENTO.ORG/ONLINE-SERVICES/CHARGESEARCH](https://WWW.CITYOF SACRAMENTO.ORG/ONLINE-SERVICES/CHARGESEARCH). THE PUBLIC COUNTER IS CURRENTLY CLOSED DUE TO COVID-19, FOR PAYMENT OF METER AND/OR TAP FEES ONLINE OR MAIL, CONTACT A UTILITIES REPRESENTATIVE AT DODUDEVELOPMENT@CITYOF SACRAMENTO.ORG OR 916-808-7890 FOR PAYMENT INSTRUCTIONS.
- AT THE TIME OF FEES PAYMENT THE CONTRACTOR SHALL PROVIDE A COPY OF ALL APPROVED PLAN SHEETS SHOWING DEPARTMENT OF UTILITIES APPROVAL STAMPS.
- THE DEPARTMENT OF UTILITIES WILL NOT INSTALL TAPS OR METERS UNLESS (A) ALL FEES HAVE BEEN PAID AND (B) PRIVATE ON-SITE PIPING HAS SUCCESSFULLY PASSED THE PLUMBING INSPECTIONS.
- METERS WILL BE INSTALLED BY THE CITY AFTER PAYMENT OF FEES. CALL 808-4027 FOR METER ARRANGEMENT.
- CONTRACTOR SHALL FURNISH, INSTALL AND TEST APPROVED R.P ASSEMBLIES, AND DOUBLE CHECK VALVES PER APPLICABLE W DRAWINGS
- THE CONTRACTOR SHALL SCHEDULE ALL WATER TAPS, METER INSTALLATIONS AND SHUT DOWNS WITH THE PUBLIC WORKS INSPECTOR. CALL 808-6810 AT LEAST 14 DAYS ADVANCE FOR SCHEDULING A TAP OR METER INSTALLATION.
- WITHOUT EXCEPTION, CONTRACTOR SHALL NOT OPEN/CLOSE ANY VALVES ON EXISTING CITY WATER MAINS.
- ALL WATER SERVICE CONNECTIONS HAVE BEEN SET UP AS:
 - FULL SERVICE TAP-CITY WILL EXCAVATE TRENCH, INSTALL TAP, GATE VALVE AND SERVICE CONNECTION FROM MAIN LINE TO THE POINT OF SERVICE. THE CITY WILL ALSO BACKFILL THE TRENCH AND RESTORE THE SURFACE/PAVEMENT. IF THE FULL SERVICE IS FOR THE INSTALLATION OF A PUBLIC FIRE HYDRANT, THE FIRE HYDRANT ASSEMBLY IS INCLUDED.
 - EASEMENT TAP (4" AND LARGER SERVICE) - THE CONTRACTOR SHALL PROVIDE EXCAVATION AND EXPOSE THE MAIN LINE FOR THE CITY CREW TO INSTALL A TAP AND A GATE VALVE ONLY. CONTRACTOR IS REQUIRED TO INSTALL SERVICE CONNECTION FROM THE GATE VALVE TO THE POINT OF SERVICE AND ALL NECESSARY APPURTENANCES. THE CONTRACTOR ALSO IS REQUIRED TO BACKFILL THE TRENCH AND RESTORE THE SURFACE/PAVEMENT.
 - EASEMENT TAP (2" AND SMALLER SERVICE) - THE CONTRACTOR SHALL PROVIDE EXCAVATION AND EXPOSE THE MAIN LINE FOR THE CITY CREW TO INSTALL A TAP, A CORPORATION STOP AND A SERVICE CONNECTION. CONTRACTOR SHALL BACKFILL THE TRENCH AND RESTORE THE SURFACE/PAVEMENT.
- IF CONSTRUCTION WATER IS NEEDED, THE CONTRACTOR MAY REQUEST FOR A TEMPORARY PUBLIC FIRE HYDRANT USE PERMIT. CALL 808-5454.

CITY OF SACRAMENTO EROSION AND SEDIMENT CONTROL NOTES:

- THE CONTRACTOR SHALL FOLLOW THE GUIDELINES FOR THE CITY OF SACRAMENTO'S "ADMINISTRATIVE AND TECHNICAL PROCEDURES MANUAL FOR GRADING AND EROSION AND SEDIMENT CONTROL" FOR THE MEASURES SHOWN OR STATED ON THESE PLANS.
- CONTRACTOR MUST ENSURE THAT THE CONSTRUCTION SITE IS PREPARED PRIOR TO THE ONSET OF ANY STORM. CONTRACTOR SHALL HAVE ALL EROSION AND SEDIMENT CONTROL MEASURES IN PLACE FOR THE WINTER MONTHS PRIOR TO OCTOBER 1.
- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED UNTIL DISTURBED AREAS ARE STABILIZED. CHANGES TO THIS EROSION AND SEDIMENT CONTROL PLAN SHALL BE MADE TO MEET FIELD CONDITIONS ONLY WITH THE APPROVAL OF OR AT THE DIRECTION OF A REPRESENTATIVE OF THE DEPARTMENT OF UTILITIES.
- THIS PLAN MAY NOT COVER ALL THE SITUATIONS THAT ARISE DURING CONSTRUCTION DUE TO UNANTICIPATED FIELD CONDITIONS. VARIATIONS MAY BE MADE TO THE PLAN IN THE FIELD SUBJECT TO THE APPROVAL OF OR AT THE DIRECTION OF A REPRESENTATIVE OF THE DEPARTMENT OF UTILITIES.
- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CHECKED BEFORE AND AFTER ALL STORMS TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.
- CONTRACTOR SHALL MAINTAIN A LOG AT THE SITE OF ALL INSPECTIONS OR MAINTENANCE OF BMPs, AS WELL AS, ANY CORRECTIVE CHANGES TO THE BMPs OR EROSION AND SEDIMENT CONTROL PLAN.
- IN AREAS WHERE SOIL IS EXPOSED, PROMPT REPLANTING WITH NATIVE COMPATIBLE, DROUGHT-RESISTANT VEGETATION SHALL BE PERFORMED. NO AREAS WILL BE LEFT EXPOSED OVER THE WINTER SEASON.
- THE CONTRACTOR SHALL INSTALL THE STABILIZED CONSTRUCTION ENTRANCE PRIOR TO COMMENCEMENT OF GRADING. LOCATION OF THE ENTRANCE MAY BE ADJUSTED BY THE CONTRACTOR TO FACILITATE GRADING OPERATIONS. ALL CONSTRUCTION TRAFFIC ENTERING THE PAVED ROAD MUST CROSS THE STABILIZED CONSTRUCTION ENTRANCE. THE STABILIZED CONSTRUCTION ENTRANCE SHALL REMAIN IN PLACE UNTIL THE ROAD BASE ROCK COURSE IS COMPLETED.
- ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE SWEEP AT THE END OF EACH WORKING DAY OR AS NECESSARY.

CONTRACTOR SHALL PLACE _____ AROUND ALL NEW DRAINAGE STRUCTURE OPENINGS IMMEDIATELY AFTER THE STRUCTURE OPENING IS CONSTRUCTED. THESE _____ SHALL BE MAINTAINED AND REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETED.

- CONTRACTOR SHALL IMPLEMENT HOUSEKEEPING PRACTICES AS FOLLOWS:

A. SOLID WASTE MANAGEMENT:

PROVIDE DESIGNATED WASTE COLLECTION AREAS AND CONTAINERS. ARRANGE FOR REGULAR REMOVAL AND DISPOSAL. CLEAR SITE OF TRASH INCLUDING ORGANIC DEBRIS, PACKAGING MATERIALS, SCRAP OR SURPLUS BUILDING MATERIALS AND DOMESTIC WASTE DAILY.

B. MATERIAL DELIVERY AND STORAGE:

PROVIDE A DESIGNATED MATERIAL STORAGE AREA WITH SECONDARY CONTAINMENT SUCH AS BERMING, STORE MATERIAL ON PALLETS AND PROVIDE COVERING FOR SOLUBLE MATERIALS. RELOCATE STORAGE AREA INTO BUILDING SHELL WHEN POSSIBLE. INSPECT AREA WEEKLY.

C. CONCRETE WASTE:

PROVIDE A DESIGNATED AREA FOR A TEMPORARY PIT TO BE USED FOR CONCRETE TRUCK WASH-OUT. DISPOSE OF HARDENED CONCRETE OFFSITE. AT NO TIME SHALL A CONCRETE TRUCK DUMP ITS WASTE AND CLEAN ITS TRUCK INTO THE CITY STORM DRAINS VIA CURB AND GUTTER. INSPECT DAILY TO CONTROL RUNOFF, AND WEEKLY FOR REMOVAL OF HARDENED CONCRETE.

D. PAINT AND PAINTING SUPPLIES:

PROVIDE INSTRUCTION TO EMPLOYEES AND SUBCONTRACTORS REGARDING REDUCTION OF POLLUTANTS INCLUDING MATERIAL STORAGE, USE, AND CLEAN UP. INSPECT SITE WEEKLY FOR EVIDENCE OF IMPROPER DISPOSAL.

E. VEHICLE FUELING, MAINTENANCE AND CLEANING:

PROVIDE A DESIGNATED FUELING AREA WITH SECONDARY CONTAINMENT SUCH AS BERMING. DO NOT ALLOW MOBILE FUELING OF EQUIPMENT. PROVIDE EQUIPMENT WITH DRIP PANS. RESTRICT ON-SITE MAINTENANCE AND CLEANING OF EQUIPMENT TO A MINIMUM. INSPECT AREA WEEKLY.

F. HAZARDOUS WASTE MANAGEMENT:

PREVENT THE DISCHARGE OF POLLUTANTS FROM HAZARDOUS WASTES TO THE DRAINAGE SYSTEM THROUGH PROPER MATERIAL USE, WASTE DISPOSAL AND TRAINING OF EMPLOYEES. HAZARDOUS WASTE PRODUCTS COMMONLY FOUND ON-SITE INCLUDE BUT ARE NOT LIMITED TO PAINTS & SOLVENTS, PETROLEUM PRODUCTS, FERTILIZERS, HERBICIDES & PESTICIDES, SOIL STABILIZATION PRODUCTS, ASPHALT PRODUCTS AND CONCRETE CURING PRODUCTS.

TREE PRESERVATION MEASURES FOR PROTECTED TREES

- TREE PROTECTION ZONE (TPZ) - THE AREA AROUND A TREE WITHIN THE OUTERMOST CIRCUMFERENCE OF THE CANOPY OR AS SET FORTH IN A TREE PROTECTION PLAN.

- TREES TO BE PRESERVED WITHIN OR ADJACENT TO THE CONSTRUCTION AREA SHALL BE PROTECTED FROM DISTURBANCE PRIOR TO AND THROUGHOUT CONSTRUCTION BY THE FOLLOWING METHODS OR AS APPROVED BY THE CITY ARBORIST:

- PLACING CHAIN LINK FENCING AT THE EDGE OF THE TPZ. MINIMUM FENCING HEIGHT IS 60 INCHES.
- WHEN THE FULL TPZ CANNOT BE ENCLOSED BY CHAIN LINK FENCING, THE APPLICANT SHALL PROVIDE PROTECTION FOR THE TRUNK AND THE SOIL WITHIN THE ROOT ZONE AS APPROVED BY THE CITY ARBORIST. ACCEPTED PRACTICES MAY BE TO WRAP FOAM AROUND THE TRUNK AND SECURING 2X4S VERTICALLY AROUND ALL SIDES IN ADDITION TO 4" OF WOOD CHIP MULCH, 1/4 INCH PLYWOOD OR TRENCH PLATES ON THE GROUND WITHIN THE TPZ.

- PROTECTION MEASURES SHALL REMAIN IN PLACE THROUGHOUT THE DURATION OF THE PROJECT, INCLUDING LANDSCAPE INSTALLATION.

- ANY NECESSARY TREE PRUNING, INCLUDING PRUNING FOR CLEARANCE FOR EQUIPMENT OR FOR STRUCTURES SHALL BE SUPERVISED OR PERFORMED BY THE PROJECT ARBORIST WHO SHALL BE AN INTERNATIONAL SOCIETY OF ARBORICULTURE CERTIFIED ARBORIST OR AN ASCA REGISTERED CONSULTING ARBORIST. IF THE PRUNING WILL OCCUR ON A CITY STREET TREE OR A PRIVATE PROTECTED TREE, A SEPARATE TREE PERMIT FROM URBAN FORESTRY WILL BE REQUIRED.

- EXCAVATION, GRADING OR TRENCHING WITHIN THE TPZ TREE SHALL EMPLOY ONE OF THE FOLLOWING METHODS: HYDRO-EXCAVATION, PNEUMATIC EXCAVATION OR HAND DIGGING.

- GRADING OPERATIONS, INCLUDING CUTS, FILLS, TRENCHING OR OTHER EXCAVATIONS ARE NOT ALLOWED UNLESS SEPARATELY PERMITTED BY URBAN FORESTRY AND SUPERVISED BY THE PROJECT ARBORIST.

- WHERE GRADING IS NECESSARY WITHIN THE TREE PROTECTION ZONE AND PERMITTED, THE WORK SHALL BE DONE UNDER THE SUPERVISION OF THE PROJECT ARBORIST WITH PRIOR APPROVAL BY THE CITY ARBORIST. IN SOME CASES, BORING OR DRILLING MAY BE REQUIRED. WHERE GRADING IS APPROVED, THE NATURAL TOPOGRAPHY SHALL REMAIN AS UNDISTURBED AS POSSIBLE.

- STORAGE OF ANY MATERIALS, PARKING VEHICLES OR EQUIPMENT, FUELING AND OTHER ACTIONS DETERMINED TO THE CONDITION OF THE TREE ARE NOT ALLOWED WITHIN THE TPZ.

- ALL STREET TREES SHALL BE WATERED REGULARLY THROUGHOUT THE CONSTRUCTION PROCESS PER PROJECT ARBORIST'S RECOMMENDATIONS.

- ALL WORK WITHIN THE DRIPLINE OF A CITY TREE OR A PRIVATE PROTECTED TREE SHALL BE SEPARATELY PERMITTED AND SUPERVISED BY AN ISA CERTIFIED ARBORIST WHO SHALL MAKE RECOMMENDATIONS TO MINIMIZE THE IMPACT OF APPROVED WORK ON THE TREES.

- THE CONTRACTOR SHALL BE FINANCIALLY RESPONSIBLE FOR ANY DAMAGE TO THE CITY TREES ASSOCIATED WITH THE PROJECT. ACCIDENTAL OR NEGLECTFUL ACTIONS THAT DAMAGE CITY TREES MAY RESULT IN A PENALTY. THE MONETARY VALUE OF ANY SUCH DAMAGES WILL BE APPRAISED BY THE CITY URBAN FORESTER OR HIS AUTHORIZED REPRESENTATIVE AND SHALL BE EXPRESSED AS THE MONETARY EQUIVALENT OF ALL LABOR AND MATERIALS REQUIRED TO BRING THE TREE IN QUESTION TO A STATE OF COMPARABLE UTILITY WITH REGARDS TO ITS CONDITION AND FUNCTION PRIOR TO THE BEGINNING OF THE PROJECT.

- NO SIGNS, ROPES, CABLES (EXCEPT THOSE WHICH MAY BE INSTALLED BY AN ISA CERTIFIED ARBORIST TO PROVIDE LIMIT SUPPORT) OR ANY OTHER ITEMS SHALL BE ATTACHED TO THE PROTECTED TREES. SMALL METALLIC NUMBERING TAGS FOR THE PURPOSE OF IDENTIFICATION IN PREPARING TREE REPORTS AND INVENTORY SHALL BE ALLOWED.

- NO VEHICLES, CONSTRUCTION EQUIPMENT, MOBILE HOMES/OFFICE, SUPPLIES, MATERIALS OR FACILITIES SHALL BE DRIVEN, PARKED, STOCKPILED OR LOCATED WITHIN THE DRIPLINES OF PROTECTED TREES.

- DRAINAGE PATTERNS ON THE SITE SHALL NOT BE MODIFIED SO THAT WATER COLLECTS, STANDS OR IS DIVERTED ACROSS THE DRIPLINE OF ANY PROTECTED TREE.

- NO TRENCHING SHALL BE ALLOWED WITHIN THE DRIPLINES OF PROTECTED TREES, EXCEPT AS SPECIFICALLY APPROVED BY THE PLANNING DEPARTMENT AS SET FORTH IN THE PROJECT'S SPECIFICATIONS OF THE PROPOSED WORK. IT IS ASSUMED NEED NOT BE APPROVED TO INSTALL UNDERGROUND UTILITIES WITHIN THE DRIPLINE OF A PROTECTED TREE. THE UTILITY LINE WITHIN THE PROTECTED ZONE SHALL BE "BORED AND JACKED" OR PERFORMED UTILIZING HAND TOOLS TO AVOID ROOT INJURY UNDER THE DIRECT SUPERVISION OF THE PROJECT ARBORIST.

- GRADING WITHIN THE PROTECTED ZONE OF A PROTECTED TREE SHALL BE MINIMIZED. CUTS WITHIN THE PROTECTED ZONE SHALL BE MAINTAINED AT LESS THAN 20% OF THE CRITICAL ROOT ZONE AREA. GRADE CUTS SHALL BE MONITORED BY THE PROJECT ARBORIST. ANY DAMAGED ROOTS ENCOUNTERED SHALL BE ROOT PRUNED AND PROPERLY TREATED AS DEEMED NECESSARY BY THE PROJECT ARBORIST.

- MINOR ROOTS LESS THAN ONE (1) INCH IN DIAMETER ENCOUNTERED DURING APPROVED EXCAVATION AND/OR GRADING ACTIVITIES MAY BE CUT, BUT DAMAGED ROOTS SHALL BE TRACED BACK AND CLEANLY CUT BEHIND ANY SPLIT, CRACKED OR DAMAGED AREA AS DEEMED NECESSARY BY THE PROJECT ARBORIST.

- MAJOR ROOTS GREATER THAN ONE (1) INCH IN DIAMETER ENCOUNTERED DURING APPROVED EXCAVATION AND/OR GRADING ACTIVITIES MAY NOT BE CUT WITHOUT APPROVAL OF THE PROJECT ARBORIST, DEPENDING UPON THE TYPE OF IMPROVEMENT BEING PROPOSED, BRIDGING TECHNIQUES OR A NEW SITE DESIGN MAY NEED TO BE EMPLOYED TO PROTECT THE ROOTS AND THE TREE.

- CUT FACES, WHICH WILL BE EXPOSED FOR MORE THAN 2-3 DAYS, SHALL BE COVERED WITH DENSE BURLAP FABRIC AND WATERED TO MAINTAIN SOIL MOISTURE AT LEAST ON A DAILY BASIS (OR POSSIBLY MORE FREQUENTLY DURING SUMMER MONTHS). IF ANY NATIVE GROUND SURFACE FABRIC WITHIN THE PROTECTED ZONE MUST BE REMOVED FOR ANY REASON, IT SHALL BE REPLACED WITHIN FORTY-EIGHT (48) HOURS.

- IF FILLS EXCEED 1 FOOT IN DEPTH UP TO 20% OF THE CRITICAL ROOT ZONE AREA, AERATION SYSTEMS MAY SERVE TO MITIGATE THE PRESENCE OF THE FILLED MATERIALS AS DETERMINED BY THE PROJECT ARBORIST.

- WHEN FILLED MATERIALS ARE DEEMED NECESSARY ON TWO OR THREE SIDES OF A TREE IT IS REQUIRED THAT THE FILL BE REMOVED FROM THE CRITICAL ROOT ZONE AREA OF THE TREE (PARTICULARLY WHEN CONSIDERING HEAVY WINTER RAINFALLS). OVERHEAD RELEASES AND SUBTERRANEAN DRAINS DUG OUTSIDE THE CRITICAL ROOT ZONE AREA AND TIED DIRECTLY TO THE MAIN STORM DRAIN SYSTEM ARE TWO OPTIONS.

- IN CASES WHERE A PERMIT HAS BEEN APPROVED FOR CONSTRUCTION OF A RETAINING WALL(S) WITHIN THE PROTECTED ZONE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING IMMEDIATE PROTECTION OF EXPOSED ROOTS FROM MOISTURE LOSS DURING THE TIME PRIOR TO COMPLETION OF THE WALL. THE RETAINING WALL WITHIN THE PROTECTED ZONE OF THE PROTECTED TREE SHALL BE CONSTRUCTED WITHIN SEVENTY-TWO (72) HOURS AFTER COMPLETION OF GRADING WITHIN THE ROOT PROTECTION ZONE.

- THE CONSTRUCTION OF IMPERVIOUS SURFACES WITHIN THE DRIPLINE OF A PROTECTED TREE SHALL BE MINIMIZED. WHEN NECESSARY, A PIPED AERATION SYSTEM SHALL BE INSTALLED UNDER THE DIRECT SUPERVISION OF THE PROJECT ARBORIST.

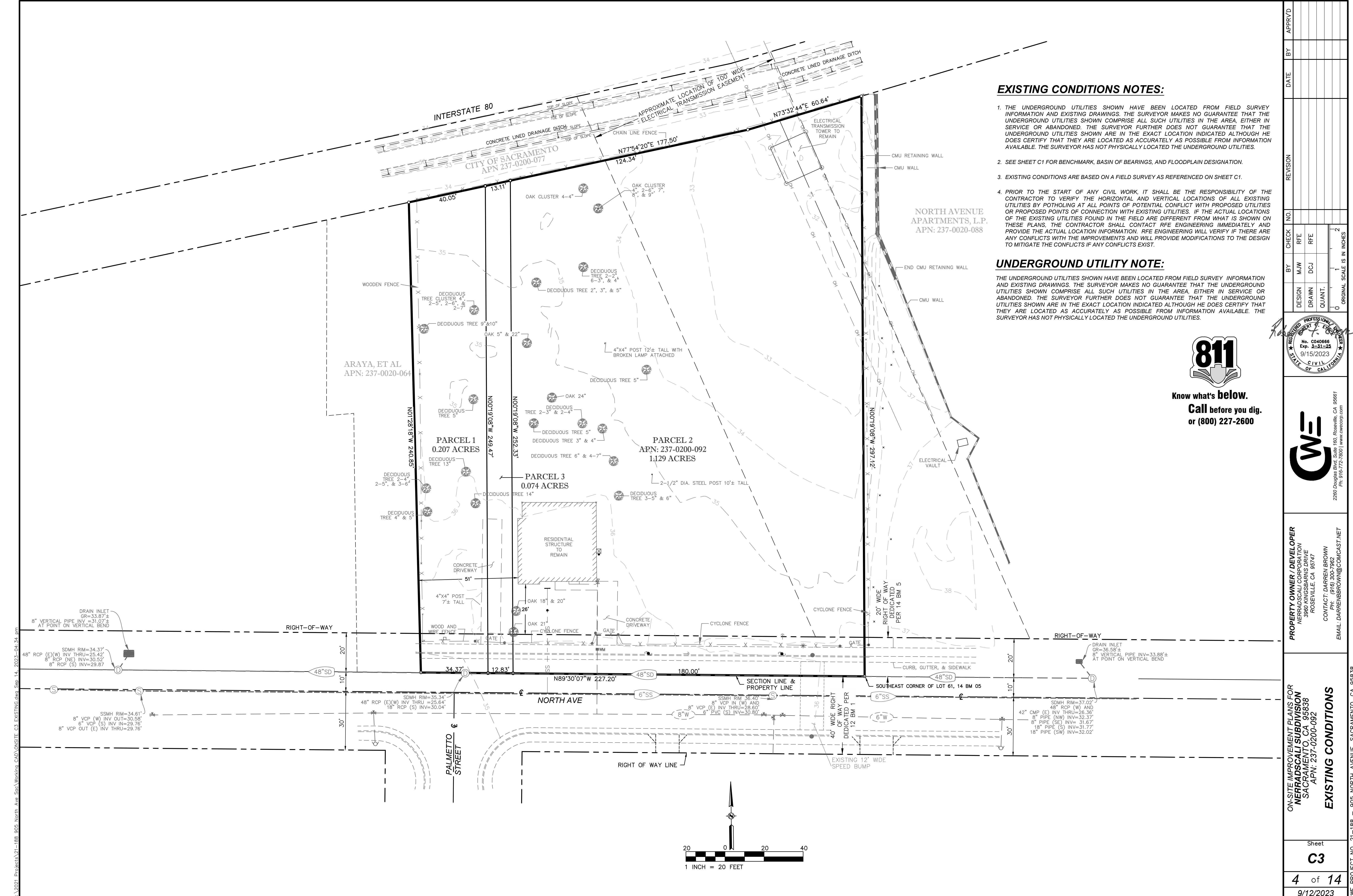
- PRESERVATION DEVICES SUCH AS AERATION SYSTEMS, TREE WELLS, DRAINS, SPECIAL PAVING AND CABLING SYSTEMS, MUST BE INSTALLED IN CONFORMANCE WITH APPROVED PLANS AND CERTIFIED BY THE PROJECT ARBORIST.

- NO SPRINKLER OR IRRIGATION SYSTEM SHALL BE INSTALLED IN SUCH A MANNER THAT SPRAYS WATER OR REQUIRES TRENCHING WITHIN THE DRIPLINE OF A PROTECTED TREE. AN ABOVE GROUND DRAINAGE SYSTEM IS PERMITTED IN ACCORDANCE WITH LOCAL DRAINAGE REQUIREMENTS. IRRIGATION SYSTEMS MAY BE USED FOR ESTABLISHING DROUGHT-TOLERANT PLANTS WITHIN THE PROTECTED ZONE OF A PROTECTED TREE. IRRIGATION SHALL BE GRADUALLY REDUCED AND DISCONTINUED AFTER A TWO (2) YEAR PERIOD.

- ALL PORTIONS OF PERMANENT FENCING THAT WILL ENTRANCE INTO THE PROTECTED ZONE OF A PROTECTED TREE SHALL BE CONSTRUCTED USING POSTS SET IN CONCRETE AND TRENCHES. CENTER POSTS SHALL BE SPACED IN SUCH A MANNER AS TO MAXIMIZE THE SEPARATION BETWEEN THE TREE TRUNKS AND THE POSTS IN ORDER TO REDUCE IMPACTS TO THE TREE(S).

GENERAL PROTECTION GUIDELINES FOR TREES PLANNED FOR PRESERVATION

- GREAT CARE MUST BE EXERCISED WHEN WORK IS CONDUCTED UPON OR AROUND PROTECTED TREES. THE PURPOSE OF THESE GENERAL PROTECTION MEASURES IS TO PROVIDE GUIDELINES TO PROTECT THE HEALTH OF THE PROTECTED TREES. THESE GUIDELINES APPLY TO ALL WORK CONDUCTED TO THE PROTECTED TREE AND BE INCORPORATED INTO TREE PERMITS AND OTHER CONDITIONS OF APPROVAL AS DEEMED APPROPRIATE BY THE APPLICABLE GOVERNING BODY.



EXISTING CONDITIONS NOTES:

- THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRIZE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.

SEE SHEET C1 FOR BENCHMARK, BASIN OF BEARINGS, AND FLOODPLAIN DESIGNATION.

EXISTING CONDITIONS ARE BASED ON A FIELD SURVEY AS REFERENCED ON SHEET C1.

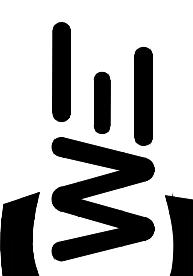
PRIOR TO THE START OF ANY CIVIL WORK, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL EXISTING UTILITIES BY POTHOLING AT ALL POINTS OF POTENTIAL CONFLICT WITH PROPOSED UTILITIES OR PROPOSED POINTS OF CONNECTION WITH EXISTING UTILITIES. IF THE ACTUAL LOCATIONS OF THE EXISTING UTILITIES FOUND IN THE FIELD ARE DIFFERENT FROM WHAT IS SHOWN ON THESE PLANS, THE CONTRACTOR SHALL CONTACT RFE ENGINEERING IMMEDIATELY AND PROVIDE THE ACTUAL LOCATION INFORMATION. RFE ENGINEERING WILL VERIFY IF THERE ARE ANY CONFLICTS WITH THE IMPROVEMENTS AND WILL PROVIDE MODIFICATIONS TO THE DESIGN TO MITIGATE THE CONFLICTS IF ANY CONFLICTS EXIST.

UNDERGROUND UTILITY NOTE:

UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND TIES SHOWN COMPRIZE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT GUARANTEE THAT THE UNDERGROUND TIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.



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A large, bold, black 'CW' logo is positioned at the top left of the page. A horizontal line extends from the center of the 'W' through the center of the 'C'. Below the logo, the word 'PROPERTY OWNER / DEVELOPER' is written vertically in a bold, sans-serif font. Underneath that, the company name 'NERRADSCALI CORPORATION' is also written vertically. The address '3960 KINGSBARN'S DRIVE' and the zip code 'ROSEVILLE, CA 95747' are listed below the company name. To the right of the address, the contact information is provided: 'CONTACT: DARREN BROWN', 'PH: (916) 300-7962', and 'EMAIL: DARREN.BROWN@COMCAST.NET'. At the very bottom right, the address '2260 Douglas Blvd, Suite 160, Roseville, CA 95661' is listed, followed by the phone number 'Ph: 916-773-7500'.

ORIGINAL SCALE IS IN INCHES

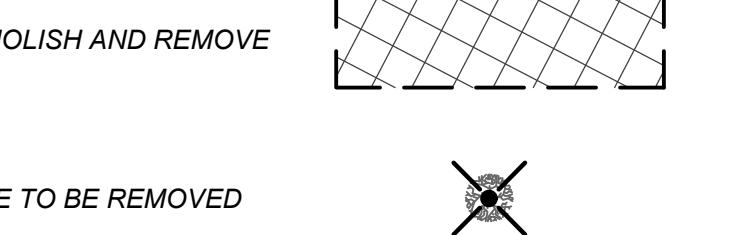
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EXISTING CONDITIONS

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9/12/2023

DEMOLITION LEGEND:



DEMOLITION PLAN NOTES:

- SAWCUT AND REMOVE EXISTING ASPHALT PAVEMENT AND PORTLAND CEMENT CONCRETE SIDEWALKS, CURB AND GUTTERS WITHIN THE LIMITS OF DEMOLITION. ENGINEER SHALL VERIFY LIMITS OF DEMOLITION. PROTECT EXISTING PAVEMENTS AND IMPROVEMENTS TO REMAIN.
- THE DISPOSAL OF ALL DEBRIS IS THE RESPONSIBILITY OF THE CONTRACTOR AND IT SHALL BE DISPOSED OF OFF-SITE IN ACCORDANCE WITH ALL APPLICABLE CITY, COUNTY, STATE AND FEDERAL REGULATIONS. ANY PERMITS REQUIRED FOR SUCH DISPOSAL ARE THE RESPONSIBILITY OF THE CONTRACTOR.
- SAWCUT ASPHALT 2' MIN FROM (E) CURB, (P) CURB OR AS OTHERWISE SHOWN ON PLANS.
- REMOVE EXISTING VEGETATION, MULCH, IRRIGATION, AND OTHER AS REQUIRED IN AREA OF PROJECT IMPROVEMENTS. CAP AND RELOCATE IRRIGATION AS NEEDED. SEE LANDSCAPE PLANS.
- EXISTING FACILITIES (e.g. IRRIGATION, ELECTRICAL) TO REMAIN SHALL BE PROTECTED DURING CONSTRUCTION. SEE APPLICABLE LANDSCAPE, ELECTRICAL AND ARCHITECTURAL PLANS.
- REMOVE EXISTING PCC TO LIMITS SHOWN. SAWCUT AT EXISTING SCORE AND/OR EXPANSION JOINTS WHEN POSSIBLE.
- ANY WORK IN THE CITY ROW SHALL REQUIRE A TRAFFIC CONTROL PLAN PRIOR TO THE ISSUANCE OF ANY PERMIT.
- ANY PAVEMENT CUT AND REPAIR WITHIN THE CITY ROW SHALL BE REPAIRED PER CITY OF SACRAMENTO STANDARDS.
- THE CONTRACTOR SHALL COMPLY WITH PROVISIONS OF THE SAFETY AND HEALTH REGULATION FOR CONSTRUCTION PROMULGATED BY THE SECRETARY OF LABOR UNDER SECTION 107 OF THE CONTRACT WORK HOURS AND SAFETY STANDARDS ACT (40 USC 327 ET SEQ.) AS SET FORTH IN TITLE 29, C.F.R., CALIFORNIA, AND THE REGULATIONS ISSUED THEREUNDER. COMPLIANCE SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY.
- THE CONTRACTOR SHALL COMPLY WITH CURRENT CALIFORNIA FIRE CODE (CFC), CALIFORNIA CODE OF REGULATIONS, (CCR) TITLE 24, PART 9, ARTICLE 87 - FIRE SAFETY DURING CONSTRUCTION ALTERATION OR DEMOLITION OF A BUILDING, SECTION 8706 - FIRE SAFETY DURING DEMOLITION.
- THE CONTRACTOR SHALL PROVIDE 72 HOUR NOTICE TO THE OWNER AND ANY Affected UTILITY COMPANIES PRIOR TO COMMENCEMENT OF ANY DEMOLITION ACTIVITIES.
- EXISTING UTILITIES: LOCATE, IDENTIFY, DISCONNECT AND SEAL OR CAP OFF INDICATED UTILITIES TO BE DEMOLISHED. EXISTING UNUSED SERVICES SHALL BE ABANDONED.
- PROTECT EXISTING LANDSCAPING MATERIALS, APPURTEANCES, AND STRUCTURES WHICH ARE NOT TO BE DEMOLISHED. PROVIDE TEMPORARY IRRIGATION WHEN IRRIGATION SUPPLY TO BE DISRUPTED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PREVENTING MOVEMENT OR SETTLEMENT OF ADJACENT STRUCTURES, AND PROTECTION OF ADJACENT UNDERGROUND UTILITIES. CONTRACTOR SHALL PROVIDE BRACING AND SHORING WHEN REQUIRED.
- EXISTING UTILITIES TO BE REMOVED: DEMOLISH AND REMOVE EXISTING BELOW GRADE UTILITIES UNLESS OTHERWISE NOTED.
- REMOVE MATERIALS TO BE RE-INSTALLED OR RETAINED IN MANNER TO PREVENT DAMAGE. STORE AND PROTECT.
- BACKFILL OPEN PITS AND HOLES CAUSED AS A RESULT OF DEMOLITION WITH EXCESS SOIL ON SITE PER RECOMMENDATIONS CONTAINED IN THE SOILS REPORT FOR BACKFILL MATERIAL.
- UNIFORMLY ROUGH GRADE AND COMPACT AREAS Affected BY DEMOLITION TO MAINTAIN SITE GRADES AND CONTOURS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR SECURITY OF CONSTRUCTION AREA AND PROTECTION OF PUBLIC SAFETY DURING ALL TIMES DURING DEMOLITION WORK.
- HAZARDOUS MATERIALS:**
 - A. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS, PROCEDURES, AND ABATEMENT SPECIFICATIONS FOR THE SAFE REMOVAL OF HAZARDOUS WASTE MATERIALS.
 - B. IF MATERIALS SUSPECTED OF CONTAINING HAZARDOUS MATERIALS ARE ENCOUNTERED, DO NOT DISTURB. NOTIFY ENGINEER & ARCHITECT.
 - C. CONFORM TO APPLICABLE REGULATORY PROCEDURES WHEN DISCOVERING HAZARDOUS OR CONTAMINATED MATERIALS.
- PROTECT (E) IRRIGATION AND MAINTAIN TO ALL LANDSCAPE AREAS NOT DISTURBED BY THE PROJECT DURING CONSTRUCTION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH APPLICABLE DRY UTILITY AGENCIES FOR ABANDONMENT OR REMOVAL OF EXISTING SERVICES PRIOR TO COMMENCEMENT OF SITE DEMOLITION. THE OWNER AND ENGINEER WILL NOT BE HELD RESPONSIBLE FOR ANY DAMAGES OR CLAIMS RESULTING FROM FAILURE TO PROPERLY COORDINATE WITH DRY UTILITY AGENCIES.
- CONTRACTOR SHALL IMPLEMENT CITY OF SACRAMENTO TREE PRESERVATION REQUIREMENTS. SEE NOTES ON SHEET C2.2.
- INSTALL 20'X10' CHAIN LINK FENCING AROUND EXISTING TREES TO REMAIN PRIOR TO DEMOLITION. COMPLY WITH TREE PROTECTION MEASURES IN GENERAL NOTES. SEE SHEET C2.2.
- EXISTING IMPROVEMENTS THAT ARE DETERMINED DETERIORATED BY THE PUBLIC WORKS INSPECTOR DURING CONSTRUCTION OR AT FINAL WALK THRU INSPECTION SHALL BE RECONSTRUCTED TO THE SATISFACTION OF PUBLIC WORKS. CONSTRUCTION SHALL BE COMPLETED PRIOR TO THE ISSUANCE OF NOTICE OF COMPLETION (NOC). ALL COSTS ASSOCIATED WITH THIS RECONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE PROPERTY OWNER AND/OR CONTRACTOR.

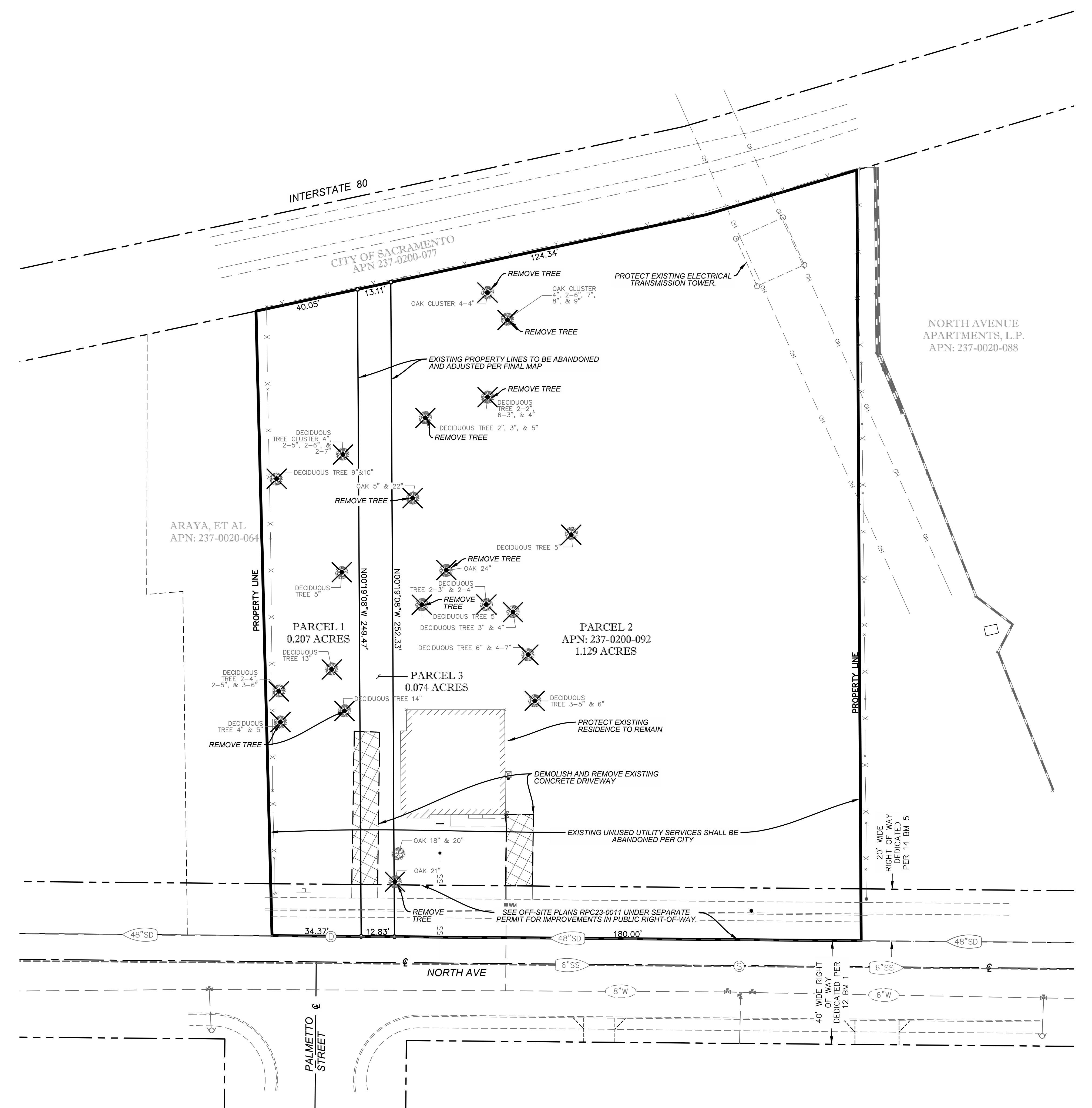
DEMOLITION PLAN	ON-SITE IMPROVEMENT PLANS FOR NERADSCAL SUBDIVISION SACRAMENTO, CA 95838 APN: 237-020-092	PROPERTY OWNER / DEVELOPER NERADSCAL CORPORATION 3980 KINGSBARN DRIVE ROSEVILLE, CA 95747 PH: (916) 202-7662 EMAIL: DARRENBROWN@COMCAST.NET	APPR'D DATE BY CHECK NO. REF	APPR'D DATE BY CHECK NO. REF	APPR'D DATE BY CHECK NO. REF	APPR'D DATE BY CHECK NO. REF

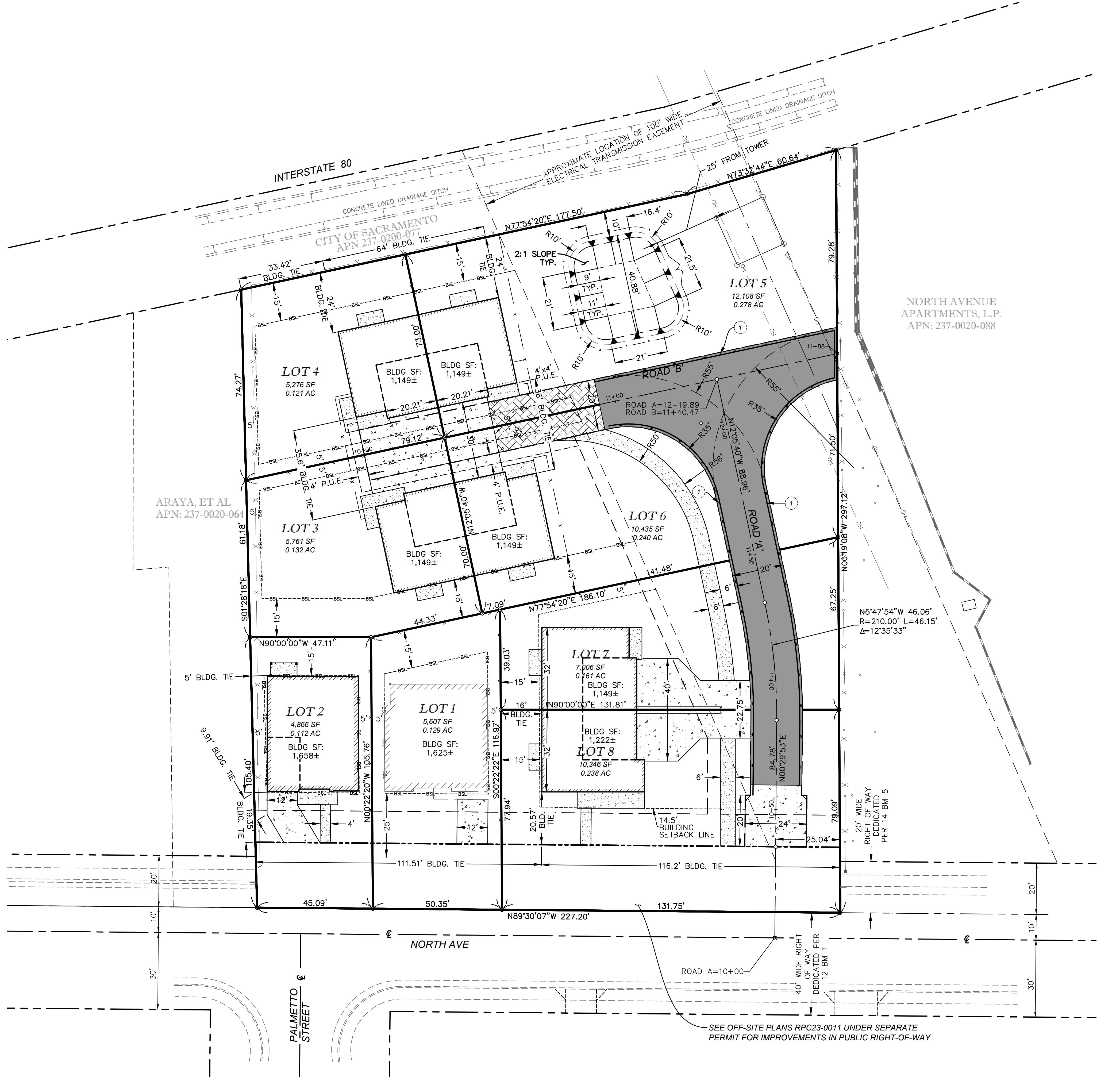


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DEMOLITION PLAN

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Sheet
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9/12/2023





OTES:

NSIONS ARE TO BOTTOM FACE OF CURB UNLESS SPECIFIED OTHERWISE. BUILDING
INE REPRESENT THE OUTER-MOST ELEMENT OF BUILDINGS. CONTRACTOR SHALL
R TO FOUNDATION PLANS FOR CONSTRUCTION OF FOUNDATION AND BUILDING SLAB.

UNDERGROUND UTILITY NOTE:

DA
UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRIZE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.

NOTICE TO CONTRACTOR - ORDER OF WORK:

R TO THE START OF ANY CIVIL WORK, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL EXISTING UTILITIES BY POTHOLING AT ALL POINTS OF POTENTIAL CONFLICT WITH PROPOSED UTILITIES OR PROPOSED POINTS OF CONNECTION WITH EXISTING UTILITIES. IF THE ACTUAL LOCATIONS OF THE EXISTING UTILITIES FOUND IN THE FIELD ARE DIFFERENT FROM WHAT IS SHOWN ON THESE PLANS, THE CONTRACTOR SHALL CONTACT RFE ENGINEERING IMMEDIATELY AND PROVIDE THE ACTUAL LOCATION INFORMATION. RFE ENGINEERING WILL VERIFY IF THERE ARE ANY CONFLICTS WITH THE IMPROVEMENTS AND PROVIDE MODIFICATIONS TO THE DESIGN TO MITIGATE THE CONFLICTS IF ANY CONFLICTS EXIST.

GEND:

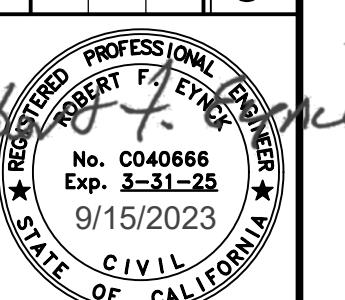
ADING SETBACK

-----RSI-----RSI-----RSI-----

LANE STRIPING

RE STRIPING KEY NOTE:

- RE LANE DESIGNATION STRIPE AS DELINEATED ON THE DRAWINGS. CURBS SHALL BE PAINTED RED MARKED BY WHITE LETTERING "FIRE LANE - NO PARKING" A MINIMUM OF THREE INCHES TALL WITH A $\frac{1}{2}$ INCH WIDE MINIMUM STROKE. THE INTERVAL BETWEEN ENCILED LETTERING SHALL BE ADEQUATE TO INFORM THE PUBLIC OF THE EXISTENCE OF THE FIRE LANE BUT IN NO EVENT SHALL THE INTERVAL EXCEED 50 FEET.**



A large, bold, black 'CW' logo is centered at the top of the page. A horizontal line extends from the top of the 'C' through the center of the 'W' to the bottom of the 'C'. Below the logo, the text 'PROPERTY OWNER / DEVELOPER' is written vertically in a bold, sans-serif font. Underneath that, 'NERRADSCALI CORPORATION' is also written vertically. The address '3960 KINGSBARN'S DRIVE' and the city 'ROSEVILLE, CA 95747' are listed below the company name. To the right of the address, there is contact information: 'CONTACT: DARREN BROWN', 'PH: (916) 300-7962', and 'EMAIL: DARRENBROWN@COMCAST.NET'. Above the contact information, the address '2260 Douglas Blvd, Suite 160, Roseville, CA 95661' is listed, followed by 'Ph: 916-772-7800 | www.cwecorp.com'.

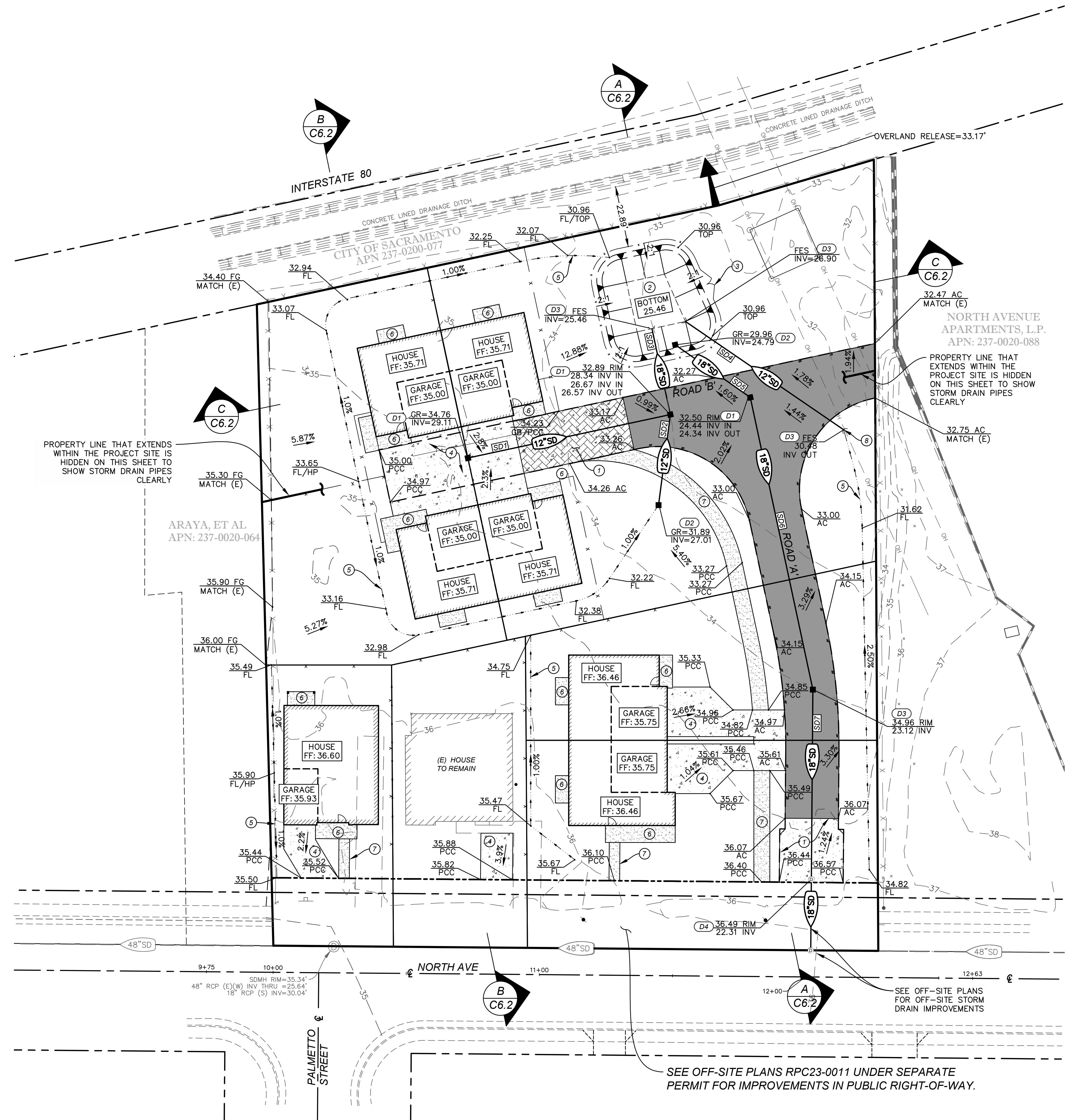
TE IMPROVEMENT PLANS FOR
RRADSCALI SUBDIVISION
ACRAMENTO, CA 95838
APN: 237-0200-092

**HORIZONTAL
CONTROL PLAN**



**what's below.
Call before you dig.**

= 20 FEET



LEGEND:

VERLAND RELEASE

RAINAGE FLOW DIRECTION

STATE AND FENCING - SEE ARCHITECTURAL PLANS

C DRIVE AISLE (TI=6.0)
HMA / 12" CL 2 AB

HEAVY DUTY PCC (4,000 PSI)
PCC / 7" CL 2 AB
C-1 PERPAB @ 12" OC EW

**EDESTRIAN PCC (4,000 PSI)
PCC / 6" CL 2 AB**

0.4 REBAR @ 18" OCEW
LANDSCAPING

GRADING CONSTRUCTION KEYNOTES:

- CONSTRUCT 6" STAMPED CONCRETE DRIVEWAY. SEE ARCHITECTURAL AND LANDSCAPE PLANS FOR PATTERN DETAILS.**

CONSTRUCT STORMWATER DETENTION / SEDIMENT POND.

PLACE 6' HIGH SECURITY FENCE AROUND PERIMETER OF DETENTION BASIN WITH ACCESS GATE. SEE ARCHITECTURAL PLANS FOR DETAILS.

CONSTRUCT CONCRETE DRIVEWAY.

CONSTRUCT VEGETATED DRAINAGE SWALE AT A MIN. 1.0% SLOPE. SEE DETAIL 3, SHEET C10.2 FOR SWALE DETAILS.

CONSTRUCT CONCRETE PATIOS, PORCH. WITH 4" PCC / 6" CLASS 2 AB. CONCRETE TO BE 4" BELOW HOUSE ELEVATION AT DOOR THRESHOLD AND 4" ABOVE ADJACENT FINISHED GRADE. CONTRACTOR TO SLOPE CONCRETE A MAXIMUM 2% AWAY FROM HOUSE.

CONSTRUCT ON-SITE CONCRETE PEDESTRIAN SIDEWALK PER DETAIL 1, SHEET C10.2.

CONSTRUCT DITCH BOX PER SACRAMENTO CITY STANDARD DETAIL S-30, REFERENCED ON SHEET C10.2.

STORM DRAIN CONSTRUCTION KEYNOTES:

- D1 *INSTALL DRAIN INLET TYPE 1 OR APPROVED EQUAL (EXCLUDING LANDSCAPE AND DRAINAGE INLET) PER DETAIL 5, SEE SHEET C10.2.*
 - D2 *INSTALL 24" NYLOPLAST DRAIN BASIN WITH DOME GRATE (OR APPROVED EQUIVALENT).*
 - D3 *INSTALL FLARED END SECTION WITH ROCK SLOPE PROTECTION PER DETAIL 7, SEE SHEET C10.2. - REF. CASQA BMP EC-10.*
 - D4 *INSTALL STORM DRAIN MANHOLE PER SACRAMENTO CITY STANDARD DWG. NO. S-80, REFERENCED ON SHEET C10.2.*

NOTES:

1. ALL VALVES, MANHOLES, CLEANOUTS, DI'S, ETC. WITHIN LIMITS OF CONSTRUCTION TO BE ADJUSTED TO FINISH GRADE AS NEEDED.
 2. SEE PAVEMENT SECTIONS ON REFERENCED ON LEGENDS.
 3. GRADING AND PAVING SHALL BE IN ACCORDANCE WITH PROJECT GEOTECHNICAL REPORT.
 4. VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION.
 5. SEE SHEET C1 FOR APPROXIMATE EARTHWORK SUMMARY.
 6. SEE SHEET C2 FOR CITY MANDATORY GRADING NOTES.
ALL 6", 8", AND 12" PIPING SHOWN HEREON LEADING TO LANDSCAPE DRAINS AND ROOF LEADERS SHALL BE INSTALLED AT MINIMUM SLOPES OF 1.0%, 0.50%, AND 0.35%, RESPECTIVELY.
 7. STRUCTURAL SECTIONS ASSUME LIME TREATED SUBGRADE PER GEOTECHNICAL REPORT. REFERENCE GEOTECHNICAL REPORT LIME TREATMENT RECOMMENDATIONS.
 8. PRIOR TO PLACEMENT OF PAVING/CONCRETE, UPPER 8" OF LIME TREATED SUBGRADE SOILS SHALL BE COMPACTED TO 95% RC AT OPTIMUM MOISTURE CONTENT.
 9. COMPACT ALL AGGREGATE BASE TO 95% RC.
 10. ALL PAVING/CONCRETE SHALL BE PER THE GEOTECHNICAL REPORT REFERENCED ON SHEET C1

STORM DRAIN PIPE TABLE					
PIPE #	SIZE	LENGTH	MATERIAL	BEARING	SLOPE
D1	12"	78 LF	SDR-35 PVC	N77°54'20"E	1.00%
D2	12"	34 LF	SDR-35 PVC	N07°26'29"E	1.00%
D3	18"	33 LF	SDR-35 PVC	N12°05'41"W	3.36%
D4	12"	72 LF	SDR-35 PVC	N55°37'39"W	4.98%
D5	18"	34 LF	SDR-35 PVC	S54°58'45"E	1.00%
D6	18"	112 LF	SDR-35 PVC	S12°05'35"E	1.00%
D7	18"	71 LF	SDR-35 PVC	S00°28'12"W	1.00%

LICENSED CIVIL ENGINEER OR LAND SURVEYOR SHALL PREPARE AND SUBMIT A GRADING CERTIFICATION LETTER TO THE CITY BUILDING INSPECTOR CERTIFYING THE PAD ELEVATIONS PRIOR TO FOOTING INSPECTION AND CERTIFYING FINAL GRADING PRIOR TO THE PROJECT'S FINAL INSPECTION.

"HAVE COMPLIED WITH THE CRITERIA OF SACRAMENTO CITY CODE CHAPTER 292 AND APPLIED THEM ACCORDING FOR THE EFFICIENT USE OF WATER IN THE GRADING DESIGN PLAN."

BERT F. EYNCK, P.E. C040666



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or (800) 227-2600

CW
Bld. Suite 160 Roseville CA

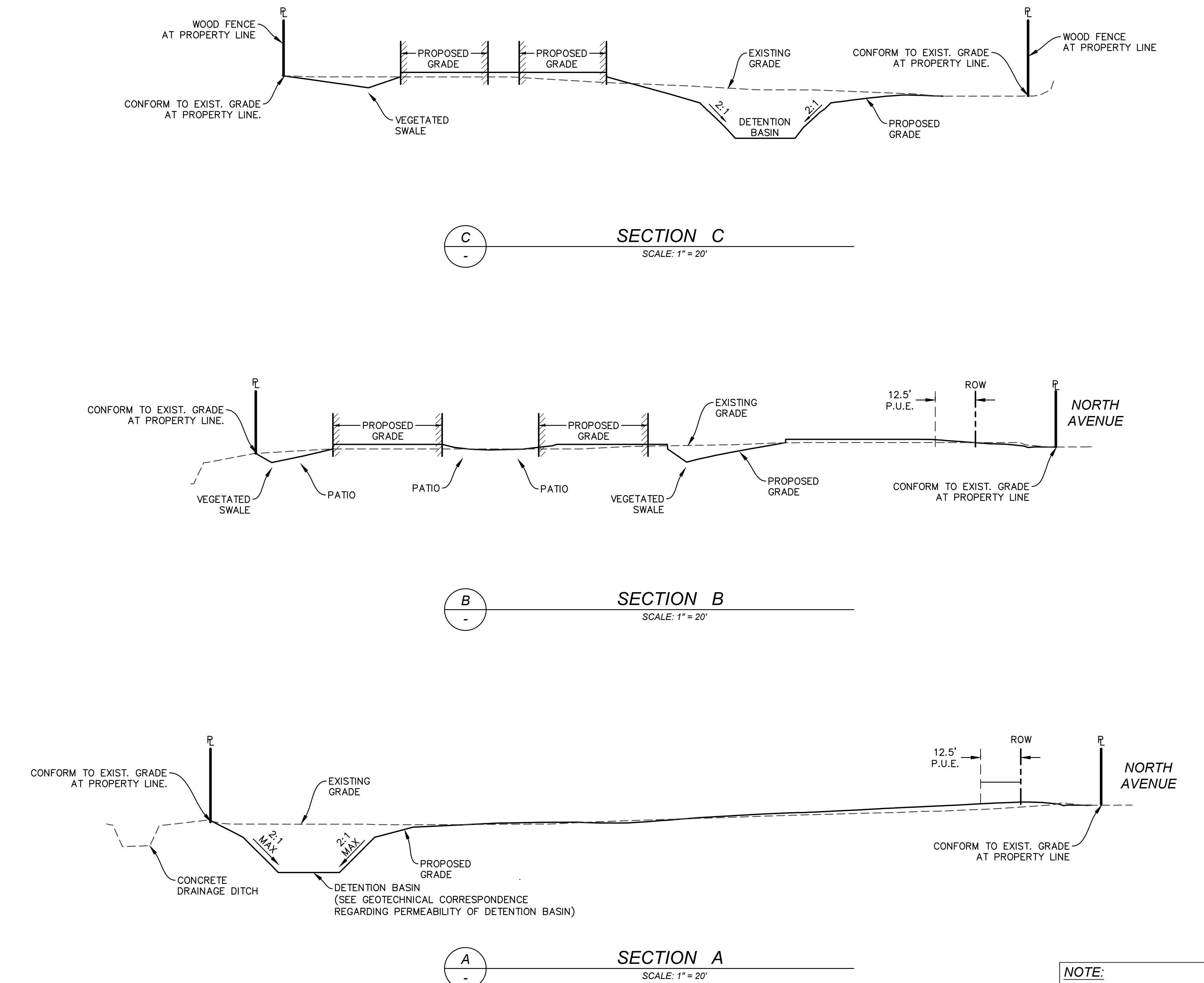
The logo consists of a large, bold, black 'C' and 'W' stacked vertically. A thick horizontal bar extends from the top of the 'C' to the top of the 'W', and another horizontal bar extends from the bottom of the 'C' to the bottom of the 'W', effectively connecting them.

PROPERTY OWNER / DEVELOPER
NERRADSCALI CORPORATION
3960 KINGSBARN'S DRIVE
ROSEVILLE, CA 95747
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**N-SITE IMPROVEMENT PLANS FOR
NERRADSCALI SUBDIVISION
SACRAMENTO, CA 95838
APN: 237-0200-092**

GRADING, DRAINAGE

Sheet
C6.1



NOTE:
SEE FINAL MAP FOR RECIPROCAL DRAINAGE EASEMENTS BETWEEN LOTS



Know what's below.
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or (800) 227-2600

GRADING AND DRAINAGE DETAILS

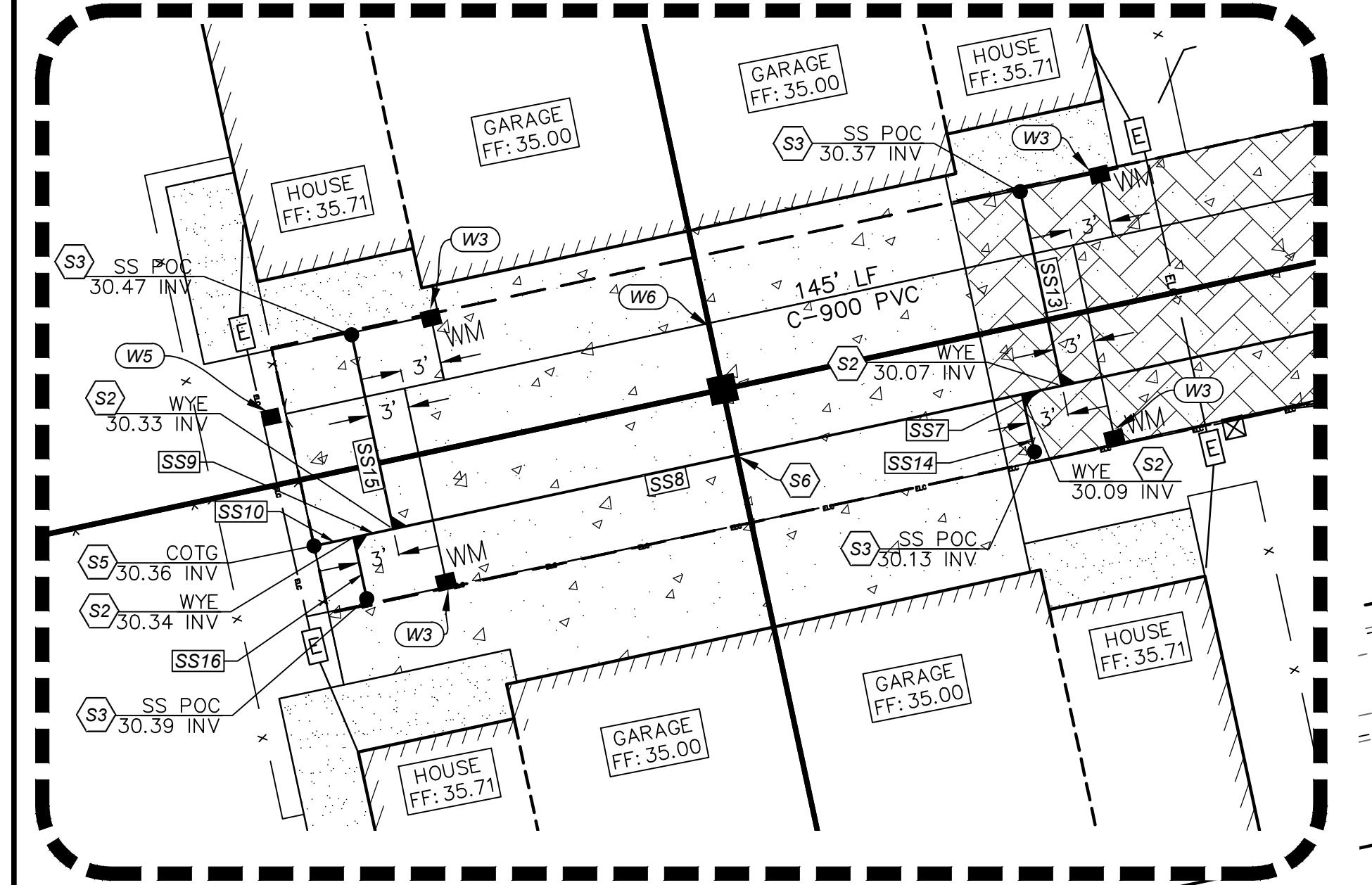
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8 of 14
9/12/2023

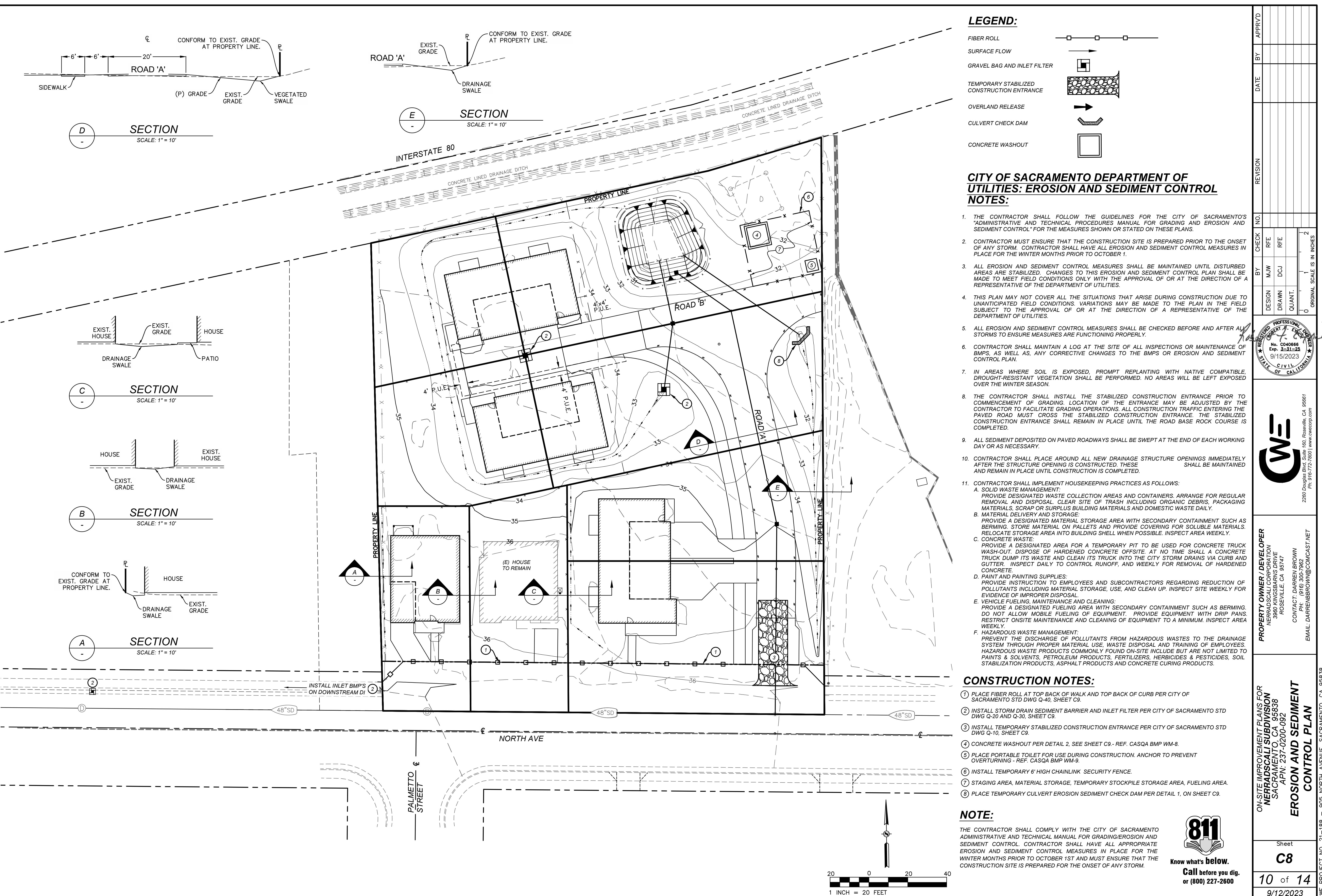
CME PROJECT NO. 21-188 - 905 NORTH AVENUE, SACRAMENTO, CA 95838

2260 Douglas Blvd, Suite 160, Roseville, CA 95661
Ph: 916-772-7600 | www.cweccorp.com

REGISTRATION NO. 0416888
EXPIRED 3-31-25
9/15/2023
CIVIL
OF CALIFORNIA
REGISTERED PROFESSIONAL ENGINEER

DESIGN BY CHECK NO. REVISION DATE BY APPROV'D
DRAWN DCJ RFE
QUANT. ETD
ORIGINAL SCALE IS IN INCHES





W:\2021 Projects\21-188 905 North Ave Sac\Working CAD\ONSITE C8 EROSION CNTL.dwg Sep 14, 2023-04:35 pm

EROSION AND SEDIMENT CONTROL NOTES:

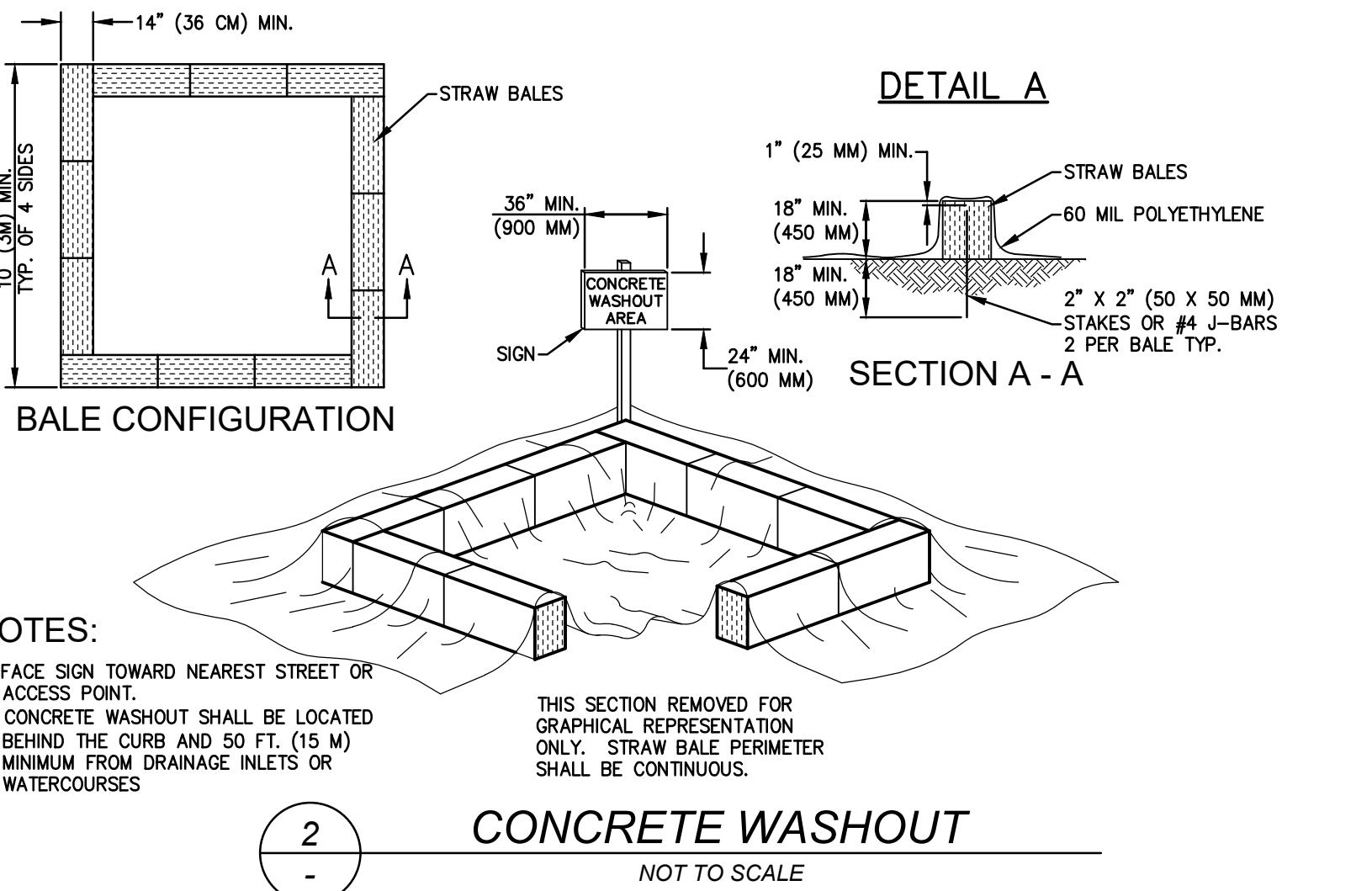
- THE CONTRACTOR SHALL FOLLOW ALL JURISDICTIONAL GUIDELINES FOR GRADING AND THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN OR STATED ON THESE PLANS.
- CONTRACTOR MUST ENSURE THAT THE CONSTRUCTION SITE IS PREPARED PRIOR TO THE ONSET OF ANY STORM. CONTRACTOR SHALL HAVE ALL EROSION AND SEDIMENT CONTROL MEASURES IN PLACE FOR THE WINTER MONTHS PRIOR TO OCTOBER 1.
- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED UNTIL DISTURBED AREAS ARE STABILIZED. CHANGES TO THIS EROSION AND SEDIMENT CONTROL PLAN SHALL BE MADE TO MEET FIELD CONDITIONS ONLY WITH THE APPROVAL OF OR AT THE DIRECTION OF A REPRESENTATIVE OF THE DEPARTMENT OF UTILITIES.
- THIS PLAN MAY NOT COVER ALL THE SITUATIONS THAT ARISE DURING CONSTRUCTION DUE TO UNANTICIPATED FIELD CONDITIONS. VARIATIONS MAY BE MADE TO THE PLAN IN THE FIELD SUBJECT TO THE APPROVAL OF OR AT THE DIRECTION OF A REPRESENTATIVE OF THE DEPARTMENT OF UTILITIES.
- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CHECKED BEFORE AND AFTER ALL STORMS TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.
- CONTRACTOR SHALL MAINTAIN A LOG AT THE SITE OF ALL INSPECTIONS OR MAINTENANCE OF BMP'S, AS WELL AS, ANY CORRECTIVE CHANGES TO THE BMP'S OR EROSION AND SEDIMENT CONTROL PLAN.
- IN AREAS WHERE SOIL IS EXPOSED, PROMPT REPLANTING WITH NATIVE COMPATIBLE, DROUGHT-RESISTANT VEGETATION SHALL BE PERFORMED. NO AREAS WILL BE LEFT EXPOSED OVER THE WINTER SEASON.
- THE CONTRACTOR SHALL INSTALL THE STABILIZED CONSTRUCTION ENTRANCE PRIOR TO COMMENCEMENT OF GRADING. LOCATION OF THE ENTRANCE MAY BE ADJUSTED BY THE CONTRACTOR TO FACILITATE GRADING OPERATIONS. ALL CONSTRUCTION TRAFFIC ENTERING THE PAVED ROAD MUST CROSS THE STABILIZED CONSTRUCTION ENTRANCE. THE STABILIZED CONSTRUCTION ENTRANCE SHALL REMAIN IN PLACE UNTIL THE ROAD BASE ROCK COURSE IS COMPLETED.
- ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE SWEEPED AT THE END OF EACH WORKING DAY OR AS NECESSARY.
- CONTRACTOR SHALL PLACE GRAVEL BAG BARRIERS AROUND ALL NEW DRAINAGE STRUCTURE OPENINGS IMMEDIATELY AFTER THE STRUCTURE OPENING IS CONSTRUCTED. THESE GRAVEL BAG BARRIERS SHALL BE MAINTAINED AND REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETED.

- CONTRACTOR SHALL FOLLOW DUST CONTROL METHODS INCLUDING:
A. WATERING THE SOIL OF THE SITE AND THE ADJACENT STREETS BEING USED IN CONNECTION WITH SOIL DISTURBANCE OPERATIONS ON THE SITE.
B. COMPLETELY COVER GRAVEY OR ROCK LANDSCAPING UNTIL STABILIZED.
C. WATER GRASSES AND LANDSCAPING UNTIL STABILIZED.
- CONTRACTOR SHALL IMPLEMENT HOUSEKEEPING PRACTICES AS FOLLOWS:
A. SOLID WASTE MANAGEMENT:
PROVIDE DESIGNATED WASTE COLLECTION AREAS AND CONTAINERS. ARRANGE FOR REGULAR REMOVAL AND DISPOSAL. CLEAR SITE OF TRASH INCLUDING ORGANIC DEBRIS, PACKAGING MATERIALS, SCRAP OR SURPLUS BUILDING MATERIALS AND DOMESTIC WASTE DAILY.
B. MATERIAL DELIVERY AND STORAGE:
PROVIDE A DESIGNATED MATERIAL STORAGE AREA WITH SECONDARY CONTAINMENT SUCH AS BERMING. STORE MATERIAL ON PALLETS AND PROVIDE COVERING FOR SOLUBLE MATERIALS. RELOCATE STORAGE AREA INTO BUILDING SHELL WHEN POSSIBLE. INSPECT AREA WEEKLY.
C. CONCRETE WASTE:
PROVIDE A DESIGNATED AREA FOR A TEMPORARY PIT TO BE USED FOR CONCRETE TRUCK WASH-OUT. DISPOSE OF HARDENED CONCRETE OFFSITE. AT NO TIME SHALL A CONCRETE TRUCK DUMP ITS WASTE AND CLEAN ITS TRUCK INTO THE CITY STORM DRAINS VIA CURB AND GUTTER. INSPECT DAILY TO CONTROL RUNOFF, AND WEEKLY FOR REMOVAL OF HARDENED CONCRETE.
D. PAINT AND PAINTING SUPPLIES:
PROVIDE INSTRUCTION TO EMPLOYEES AND SUBCONTRACTORS REGARDING REDUCTION OF POLLUTANTS INCLUDING MATERIAL STORAGE, USE, AND CLEAN UP. INSPECT SITE WEEKLY FOR EVIDENCE OF IMPROPER DISPOSAL.
E. VEHICLE FUELING, MAINTENANCE AND CLEANING:
PROVIDE A DESIGNATED FUELING AREA WITH SECONDARY CONTAINMENT SUCH AS BERMING. DO NOT ALLOW MOBILE FUELING OF EQUIPMENT. PROVIDE EQUIPMENT WITH DRIP PANS. RESTRICT ON-SITE MAINTENANCE AND CLEANING OF EQUIPMENT TO A MINIMUM. INSPECT AREA WEEKLY.
F. HAZARDOUS WASTE MANAGEMENT:
PREVENT THE DISCHARGE OF POLLUTANTS FROM HAZARDOUS WASTES TO THE DRAINAGE SYSTEM THROUGH PROPER MATERIAL USE, WASTE DISPOSAL AND TRAINING OF EMPLOYEES. HAZARDOUS WASTE PRODUCTS COMMONLY FOUND ON-SITE INCLUDE BUT ARE NOT LIMITED TO PAINTS & SOLVENTS, PETROLEUM PRODUCTS, FERTILIZERS, HERBICIDES & PESTICIDES, SOIL STABILIZATION STABILIZATION PRODUCTS, ASPHALT PRODUCTS AND CONCRETE CURING PRODUCTS.

PHASE OF CONSTRUCTION	EROSION AND SEDIMENT CONTROL MEASURES								
	(WET SEASON)				(WET AND DRY SEASON)				
	HYDRO-SEEDING	STRAW MULCHING & TACTIFIER	PRESERVATION OF EXISTING VEGETATION	SOIL BINDERS	FIBER ROLLS	OUTLET PROTECTION	STORM DRAIN INLET PROTECTION	DEWATERING	STABILIZED CONSTRUCTION ENTRANCE
PRE-GRADING			●		●		●		●
CUT AND FILL ACTIVITIES	●	●		●			●		●
UNDERGROUND WORK									
STORM DRAIN IMPROVEMENTS					●				●
CURB & GUTTER						●			●
STREET IMPROVEMENTS					●				●
POST CONSTRUCTION	●	●	●						

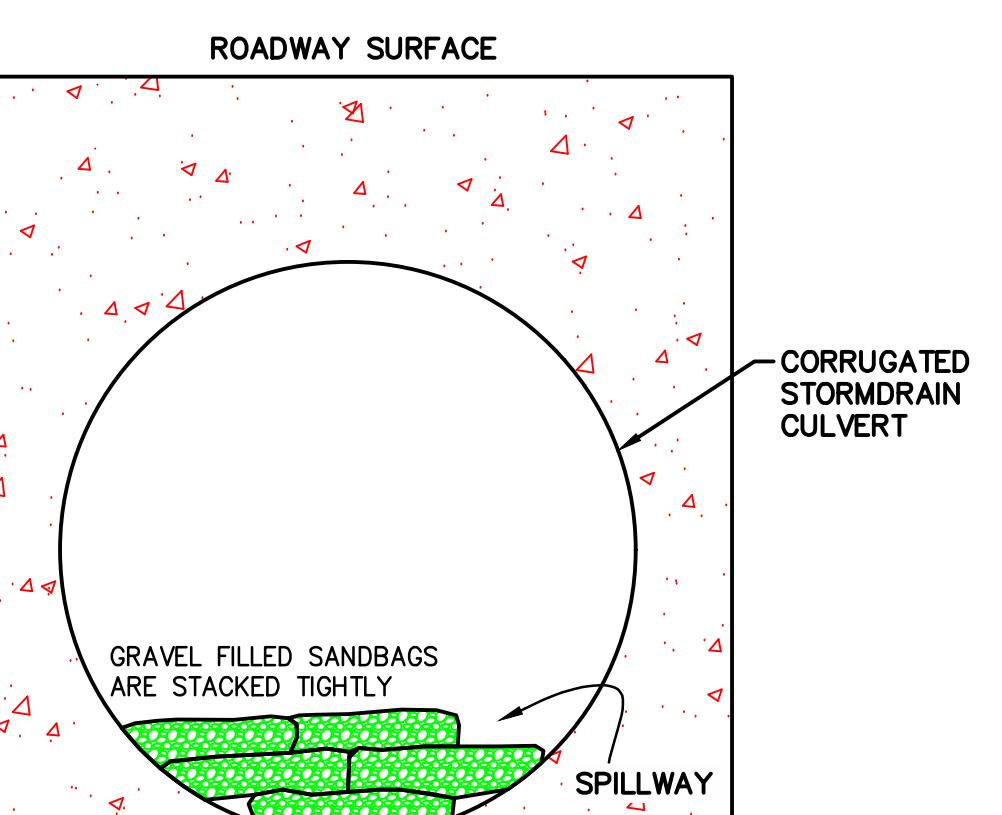
NOTES:

- ALL EROSION BMP'S SHALL BE IN PLACE PRIOR TO STORM EVENTS AND IN ACCORDANCE WITH THE LATEST EDITION OF SECTION II OF THE IMPROVEMENT STANDARDS AND THE CALIFORNIA STORM WATER HANDBOOK.
- Maintain BMP's as necessary.

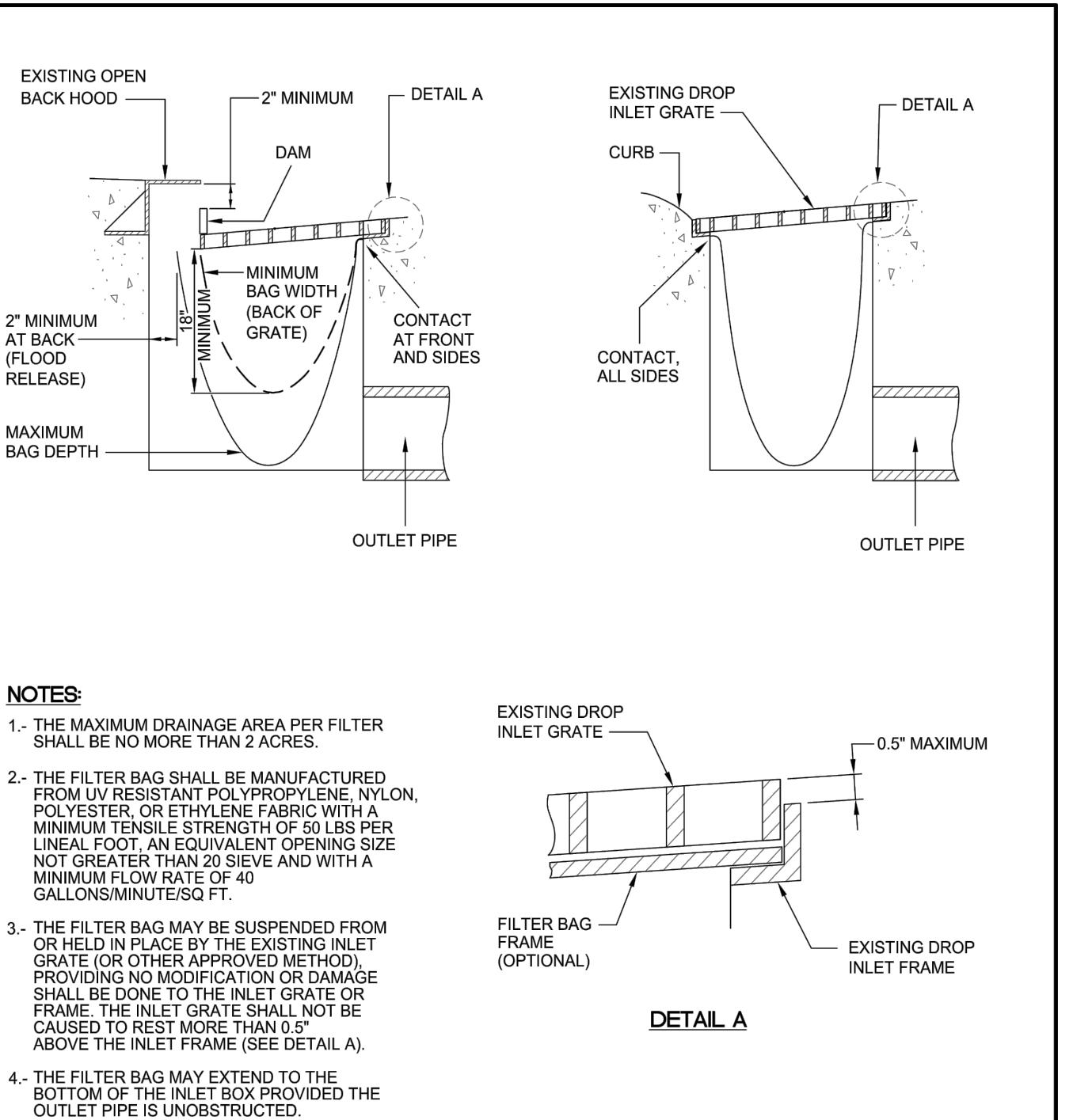


NOTES:
1.) FACE SIGN TOWARD NEAREST STREET OR ACCESS POINT.
2.) CONCRETE WASHOUT SHALL BE LOCATED BEHIND THE CURB AND 50 FT. (15 M) MINIMUM FROM DRAINAGE INLETS OR WATERCOURSES
THIS SECTION REMOVED FOR GRAPHICAL REPRESENTATION ONLY. STRAW BALE PERIMETER SHALL BE CONTINUOUS.

CONCRETE WASHOUT
NOT TO SCALE

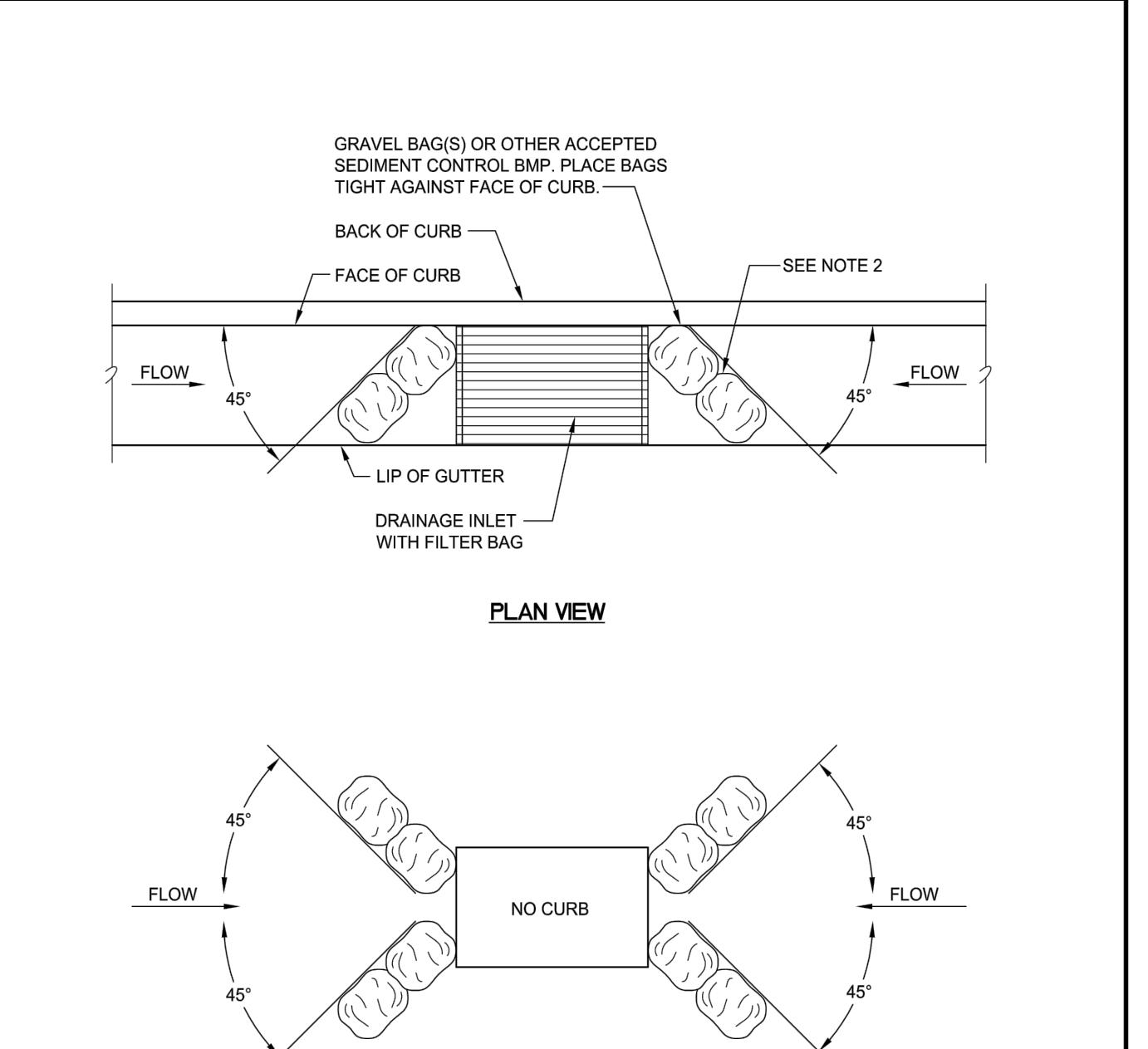


ELEVATION VIEW
NOT TO SCALE



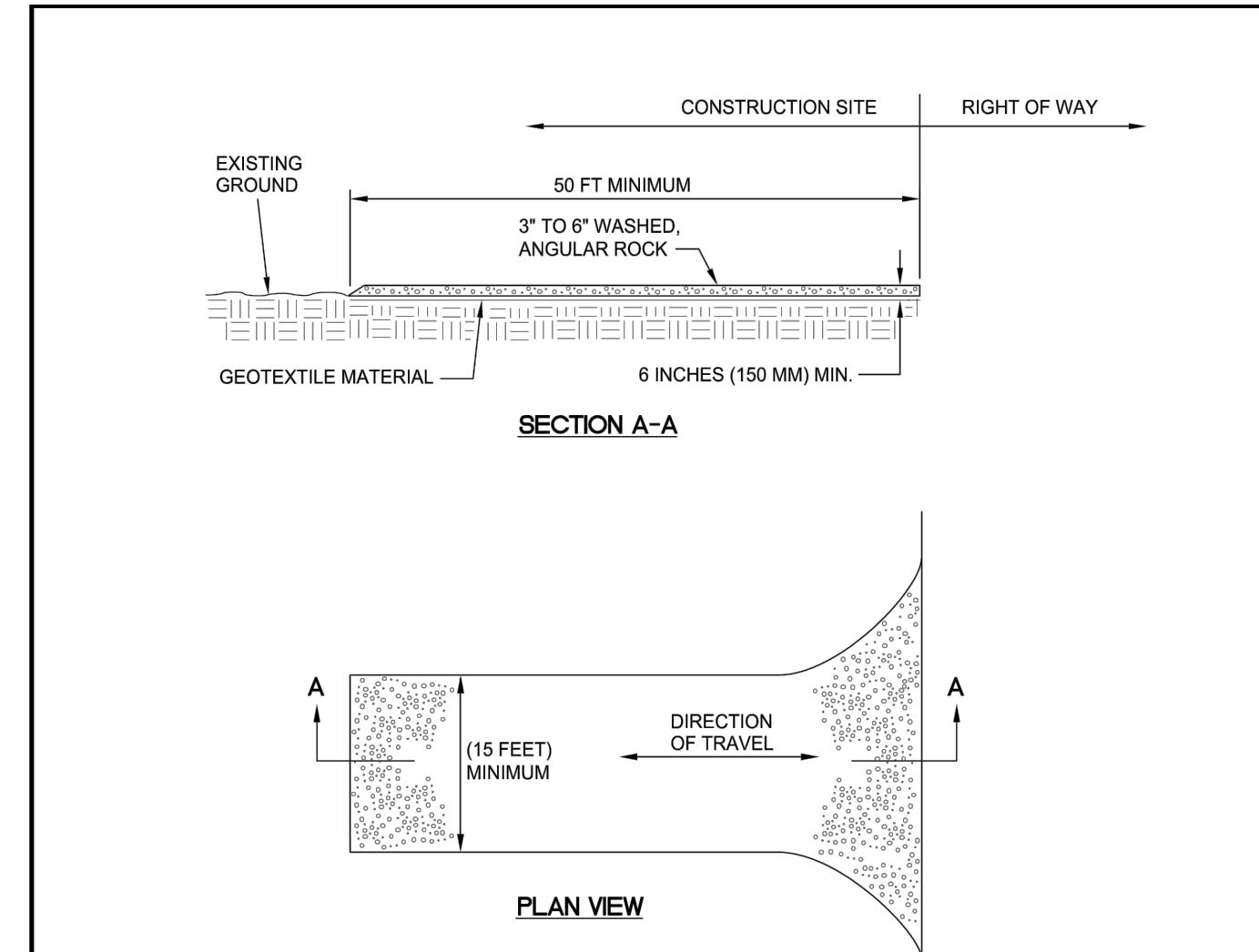
NOTES:
1.- THE MAXIMUM DRAINAGE AREA PER FILTER SHALL BE NO MORE THAN 2 ACRES.
2.- THE FILTER BAG SHALL BE MANUFACTURED FROM UV RESISTANT POLYPROPYLENE, NYLON, POLYESTER, OR ETHYLENE FABRIC WITH A MINIMUM OPENING SIZE OF 10 SQ INCHES PER LINEAL FOOT, AN EQUIVALENT OPENING SIZE NOT GREATER THAN 20 SQ INCHES AND WITH A MAXIMUM OPENING SIZE OF 40 GALLONS/MINUTES/QFT.
3.- THE FILTER BAG MAY BE SUSPENDED FROM OR HELD IN PLACE BY THE EXISTING INLET GRATE (OR OTHER APPROVED METHOD). THE FILTER BAG SHALL NOT BE HELD IN PLACE BY THE INLET FRAME OR FRAME. THE INLET GRATE SHALL NOT BE HELD IN PLACE BY THE FILTER BAG OR FRAME ABOVE THE INLET FRAME (SEE DETAIL A).
4.- THE FILTER BAG EXTENDS TO THE BOTTOM OF THE INLET BOX PROVIDED THE OUTLET PIPE IS UNOBSTRUCTED.
5.- FLOWS SHALL NOT BE ALLOWED TO BYPASS THE BAG. THE BAG OR FRAME SHALL NOT BE HELD IN PLACE BY THE INLET FRAME, EXCEPT AS SHOWN FOR FLOOD RELEASE.
6.- INLET FILTER BAGS SHALL BE INSPECTED WEEKLY AND AFTER EACH RAINFALL DURING THE WET SEASON AND MONTHLY DURING THE DRY SEASON. THE FILTER BAG SHALL BE REMOVED BEFORE ACCUMULATIONS HAVE REACHED ONE THIRD THE DEPTH OF THE BAG, OR AS SOON AS DAMAGE OCCURS.
7.- THIS DETAIL IS SCHEMATIC AND MUST BE ADJUSTED FOR DIFFERENT DI TYPES.

REV. DATE DESCRIPTION
APPR'D BY: *D. Brown* NO SCALE
DATE: MAY 2007 DWG. NO. Q - 30



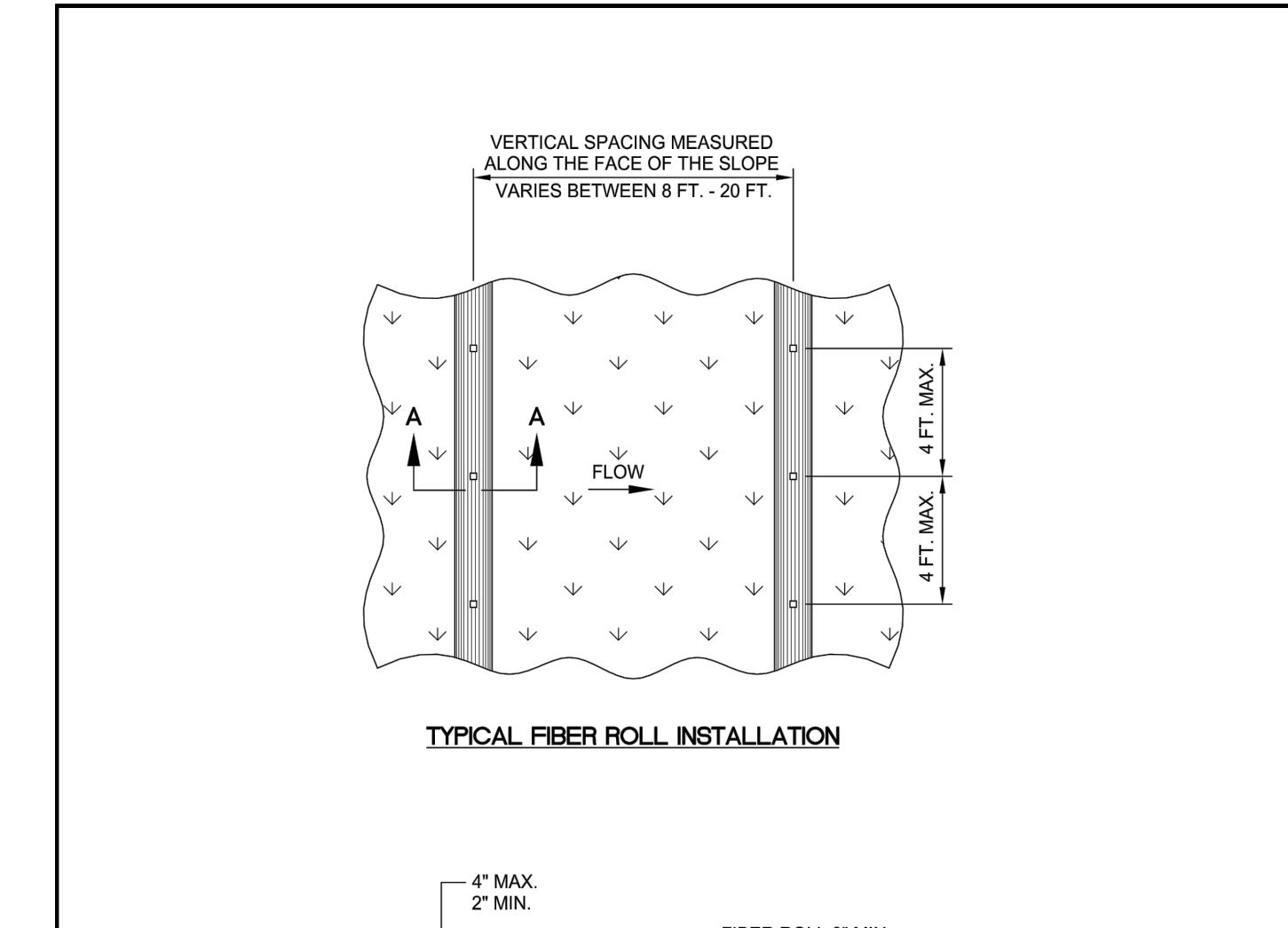
NOTES:
1.- SEDIMENT TRAPPED UPSTREAM OF SEDIMENT CONTROL BMP SHALL BE REMOVED WEEKLY AND PRIOR TO A RAINFALL EVENT.
2.- PLACE BMP'S TIGHTLY TOGETHER AT JOINTS TO PREVENT OR MINIMIZE SEEPAGE AT JOINTS.
3.- INLET SEDIMENT CONTROL MUST BE INSPECTED WEEKLY AND AFTER EACH STORM, AND REPAIRED OR REPLACED AS NEEDED.
4.- INLET SEDIMENT CONTROL IS REQUIRED FOR ALL DI'S IN ADDITION TO A STORM DRAIN INLET FILTER BAG.

REV. DATE DESCRIPTION
APPR'D BY: *D. Brown* NO SCALE
DATE: MAY 2007 DWG. NO. Q - 20



NOTES:
1. STABILIZED CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED OF 3" TO 6" WASHED, ANGULAR ROCK. MATERIAL SHALL BE ACCEPTED IF MINIMUM THICKNESS OF 6 INCHES.
2. LENGTH OF ENTRANCE SHALL BE A MINIMUM OF 50 FEET. WIDTH SHALL BE A MIN OF 15 FT OR GREATER IF NECESSARY TO COVER ALL VEHICULAR INGRESS AND EGRESS. PROVIDE AMPLE TURNING RADII.
3. THE ENTRANCE SHALL BE KEPT IN GOOD CONDITION BY OCCASIONAL TOP DRESSING WITH MATERIAL AS SPECIFIED IN NOTE 1.
4. ACCESSSES SHALL BE INSPECTED WEEKLY DURING PERIODS OF HEAVY USE, MONTHLY DURING NORMAL USAGE, AND AFTER EACH RAINFALL. WITH MAINTENANCE PROVIDED AS NECESSARY. PERIODIC TOP DRESSING SHALL BE DONE AS NEEDED.

CITY OF SACRAMENTO DEPARTMENT OF UTILITIES STABILIZED CONSTRUCTION ENTRANCE APPR'D BY: *D. Brown* NO SCALE DATE: MAY 2007 DWG. NO. Q - 10



NOTES:
1. INSTALL FIBER ROLLS IN A ROW ALONG A LEVEL CONTOUR.
2. AT ENDS OF A ROW TURN THE LAST TWO FEET UP SLOPE SLIGHTLY.
3. FIBER ROLLS SHALL BE BUTTED TIGHTLY AT THE JOINTS.
4. DO NOT OVERLAP JOINTS.
5. FIBER ROLLS SHALL BE INSPECTED WEEKLY AND AFTER STORMS, AND REPAINTED OR REPLACED AS NEEDED.
REV. DATE DESCRIPTION
APPR'D BY: *D. Brown* NO SCALE
DATE: MAY 2007 DWG. NO. Q - 40

CITY OF SACRAMENTO DEPARTMENT OF UTILITIES STORM DRAIN INLET FILTER BAG APPR'D BY: *D. Brown* NO SCALE DATE: MAY 2007 DWG. NO. Q - 30

APPR'D	DATE	BY	REVISION
DESIGN	APR/15/2023	M.J.W	REF
DRAWN	9/15/2023	D.C.J	REF
QUANT.			

ROOSEVELT PROFESSIONAL ENGINEERS, INC.
No. 0048888
Exp. 3-31-25
9/15/2023

PROPERTY OWNER / DEVELOPER	NERADSCAL CORPORATION
	3960 KINGSWARD DRIVE
	ROSEVILLE, CA 95747
CONTACT	T. DARREN BROWN
PHONE	(916) 200-7662
EMAIL	DARBROW@COMCAST.NET

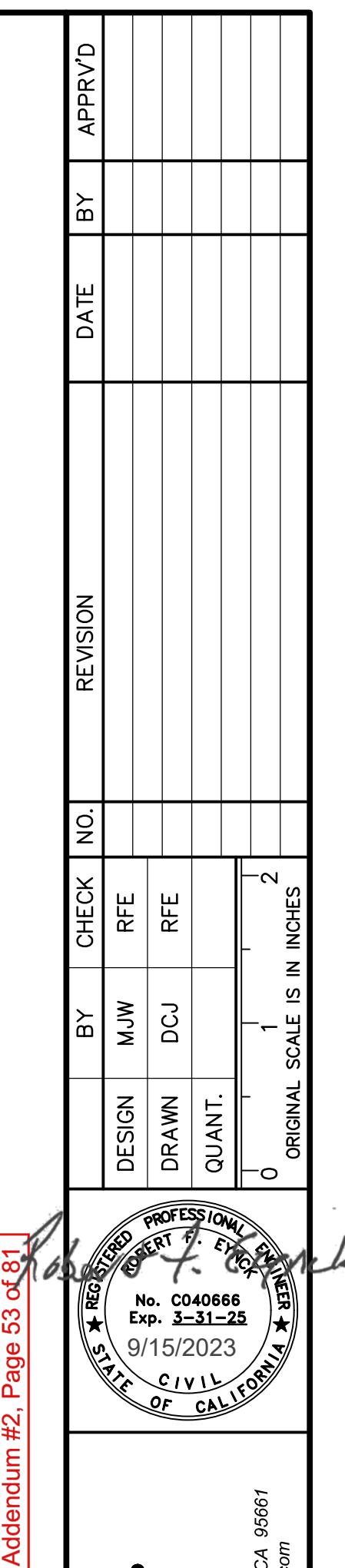
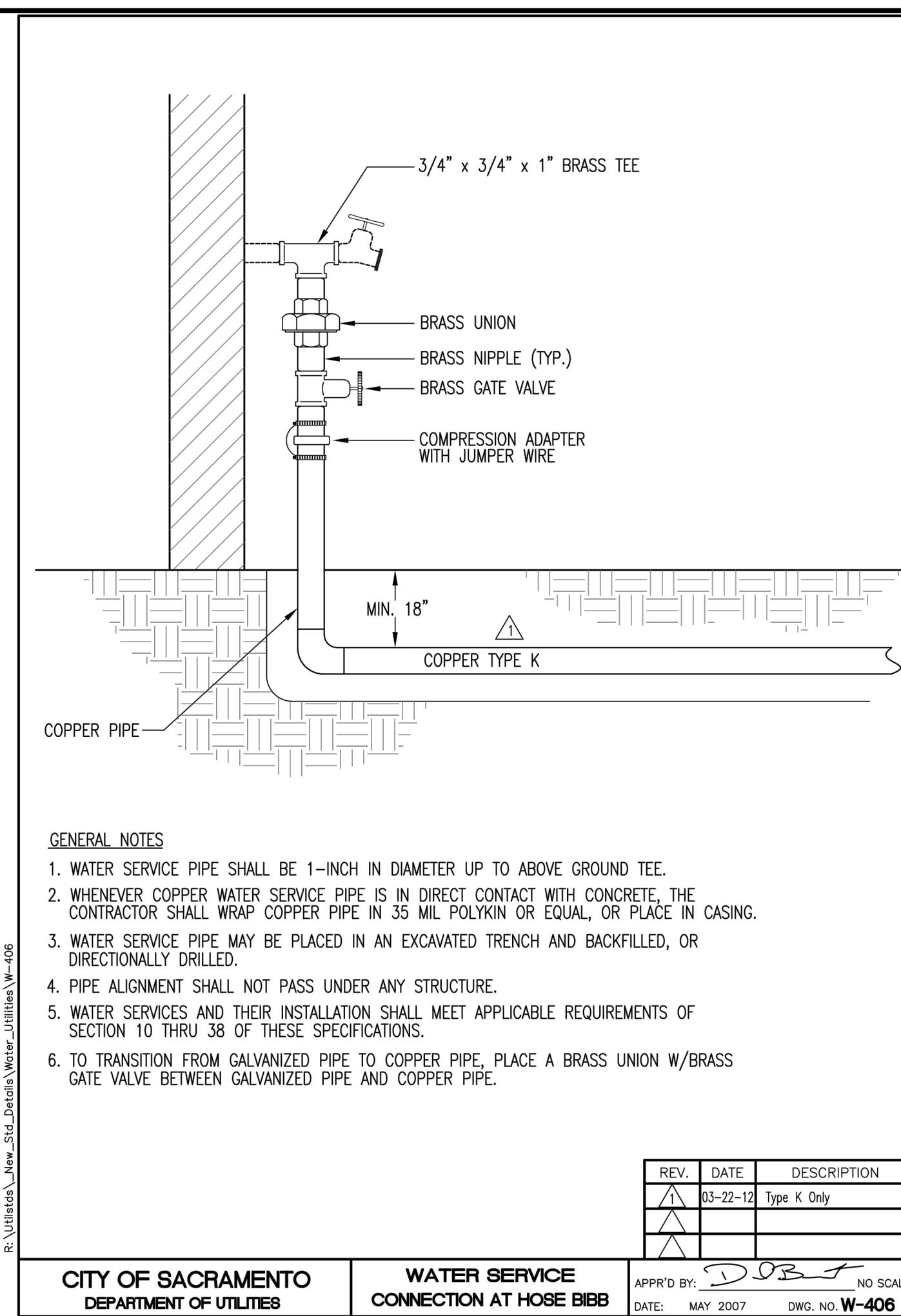
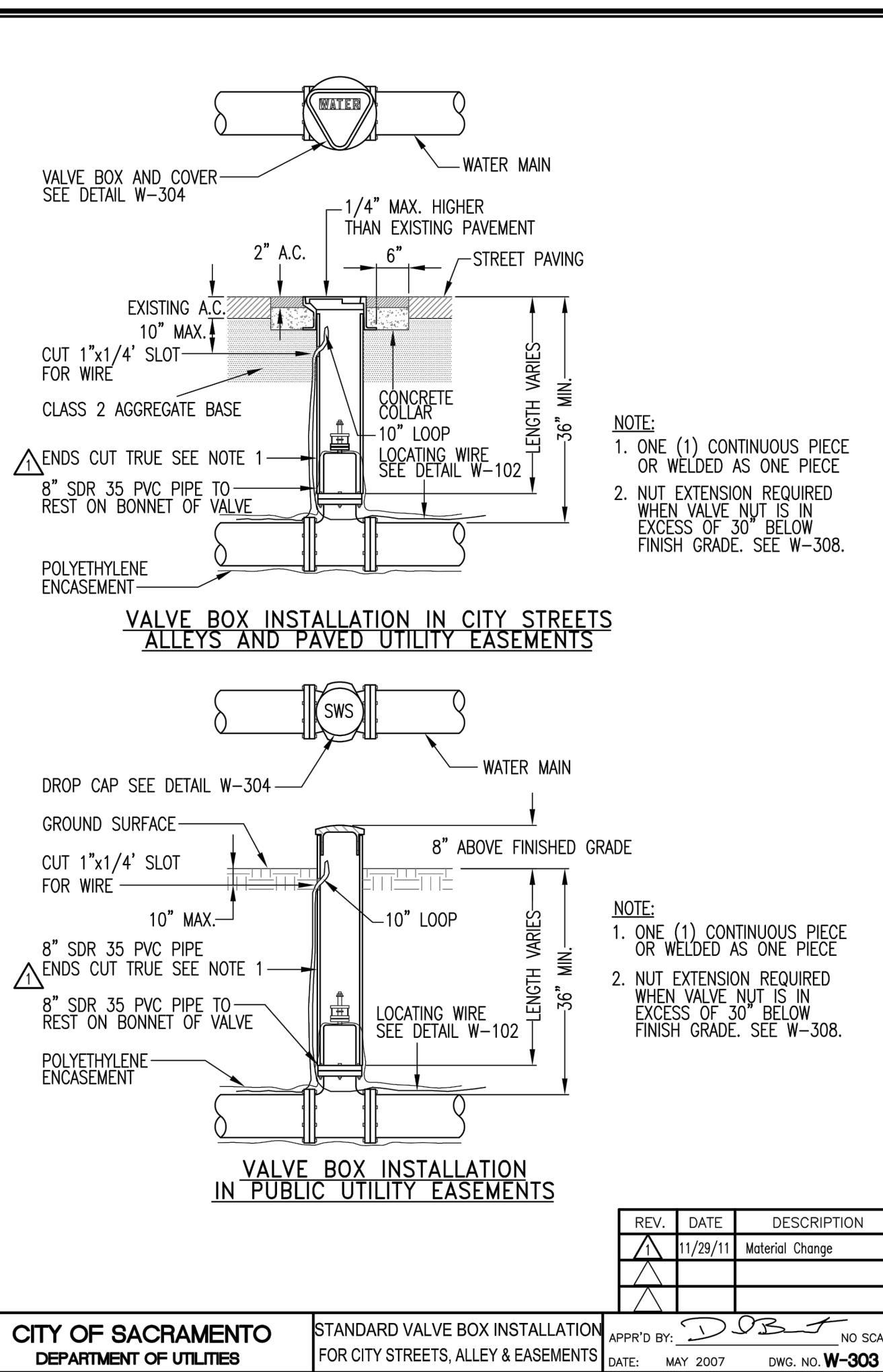
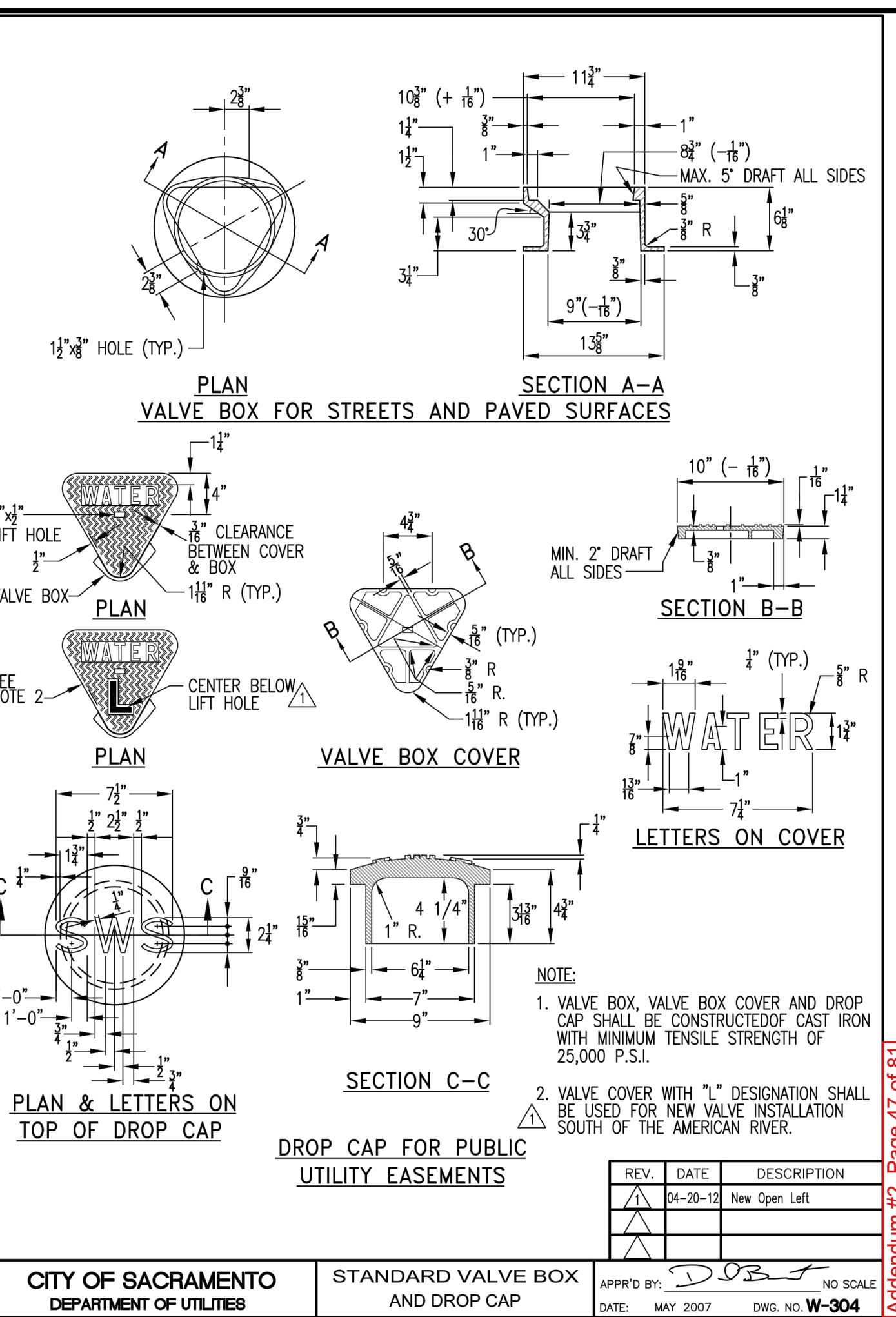
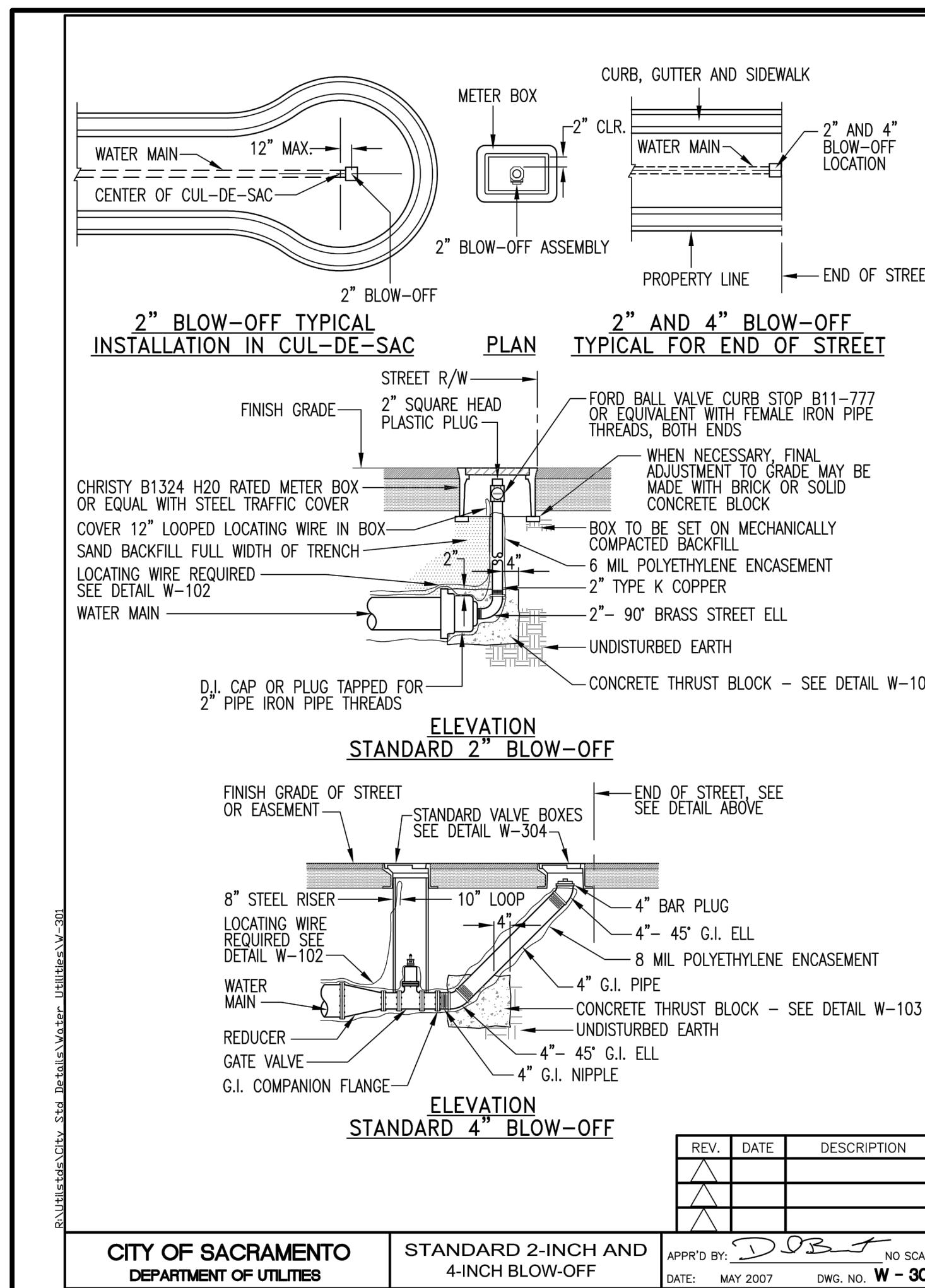
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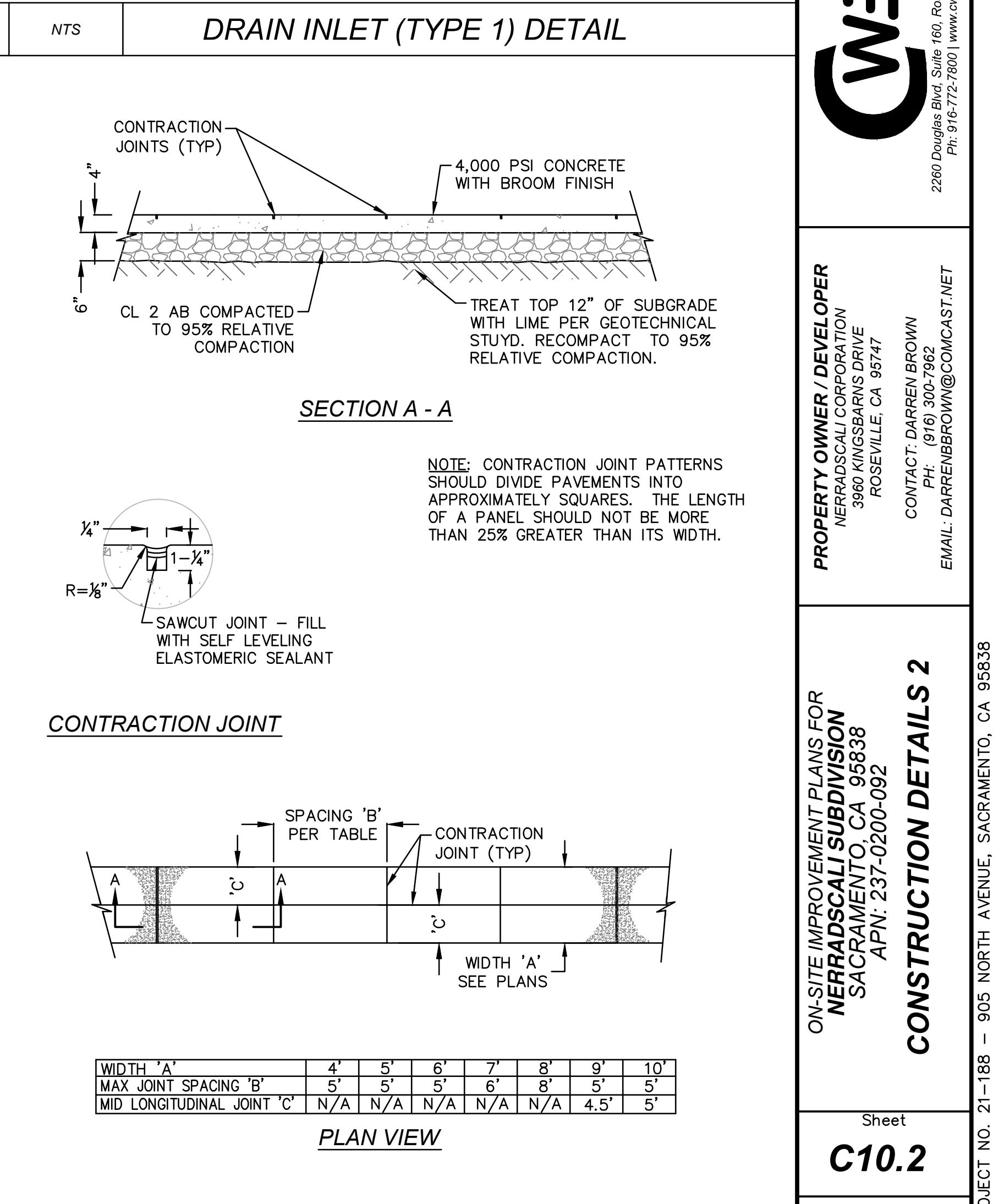
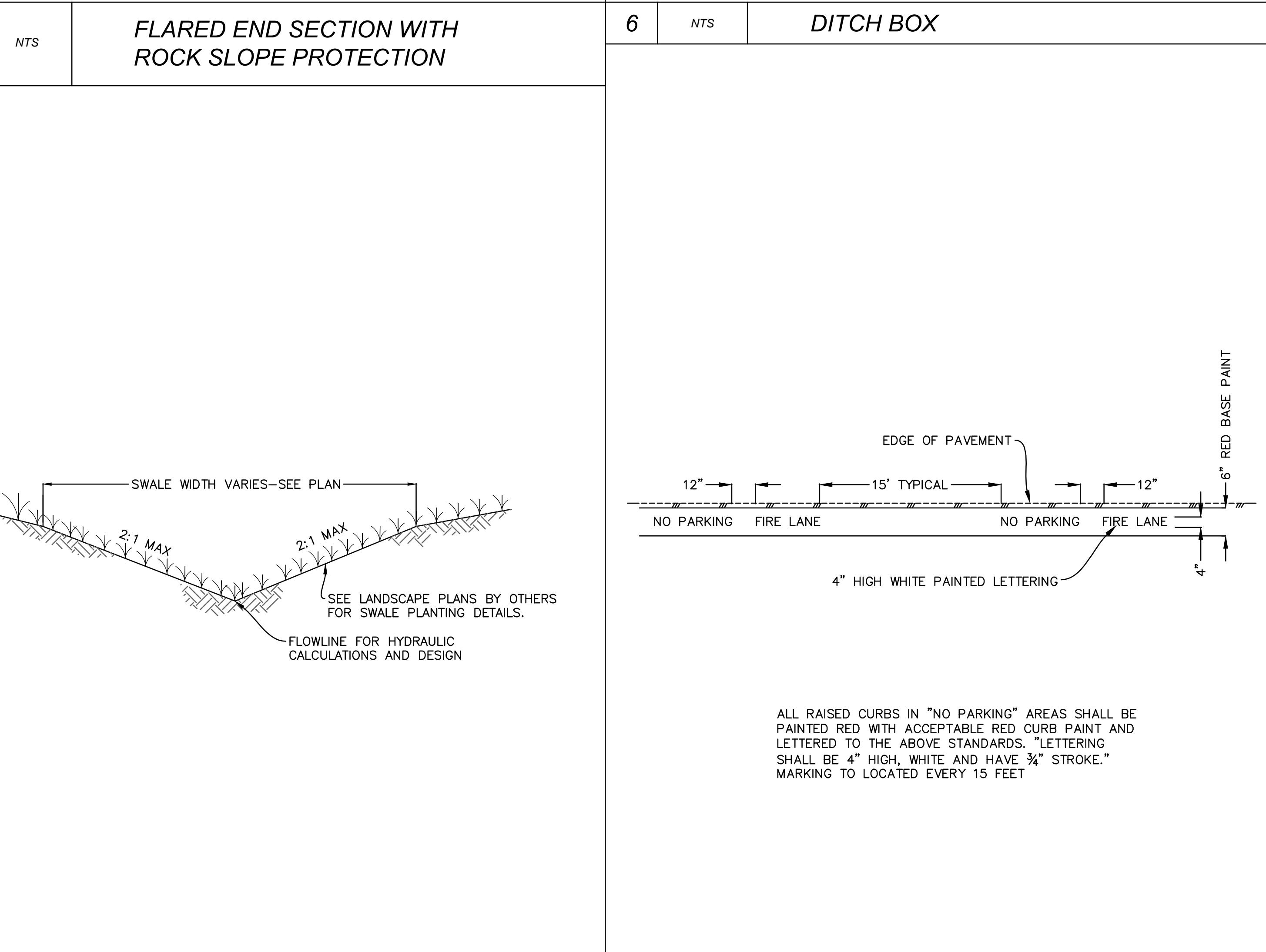
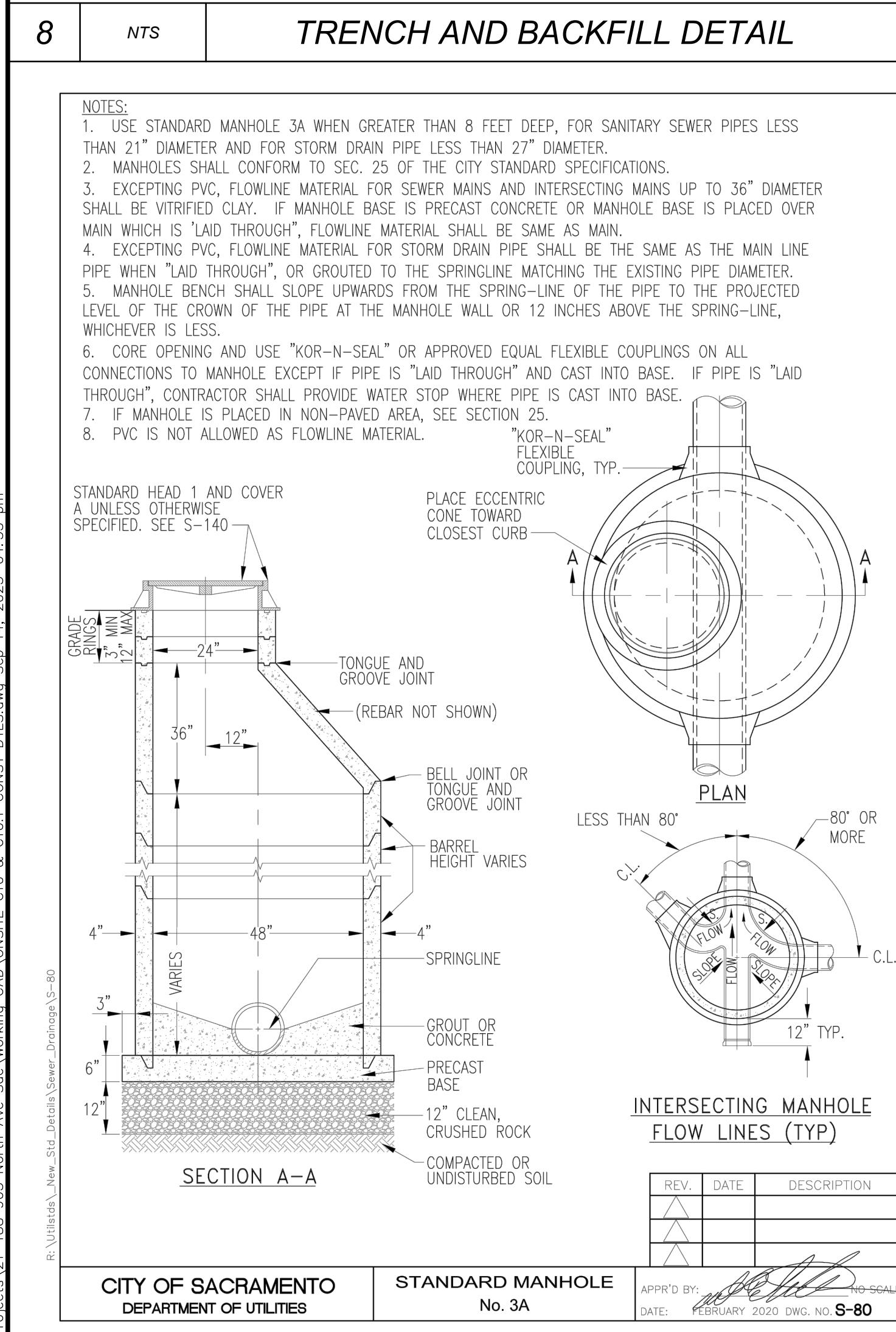
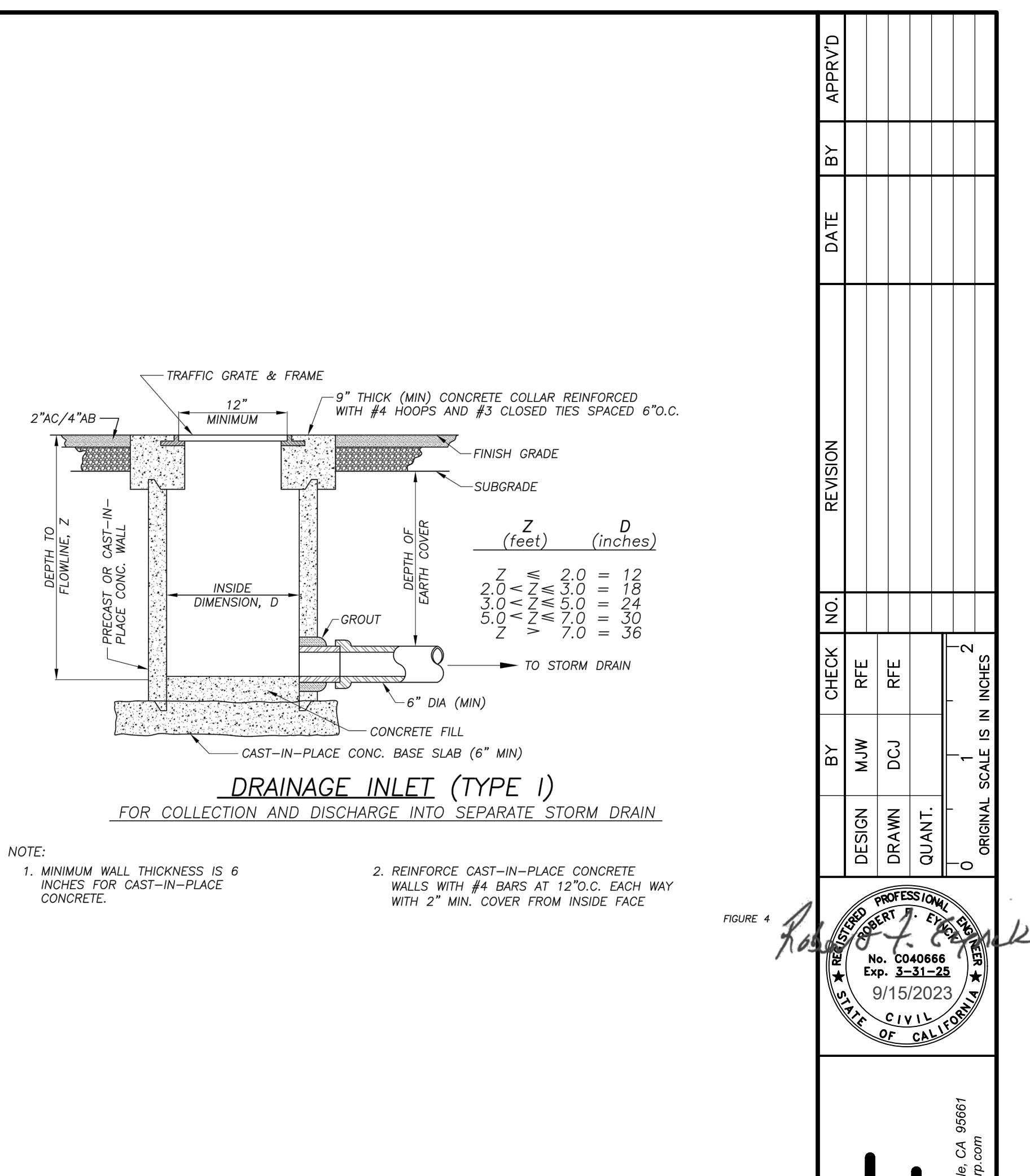
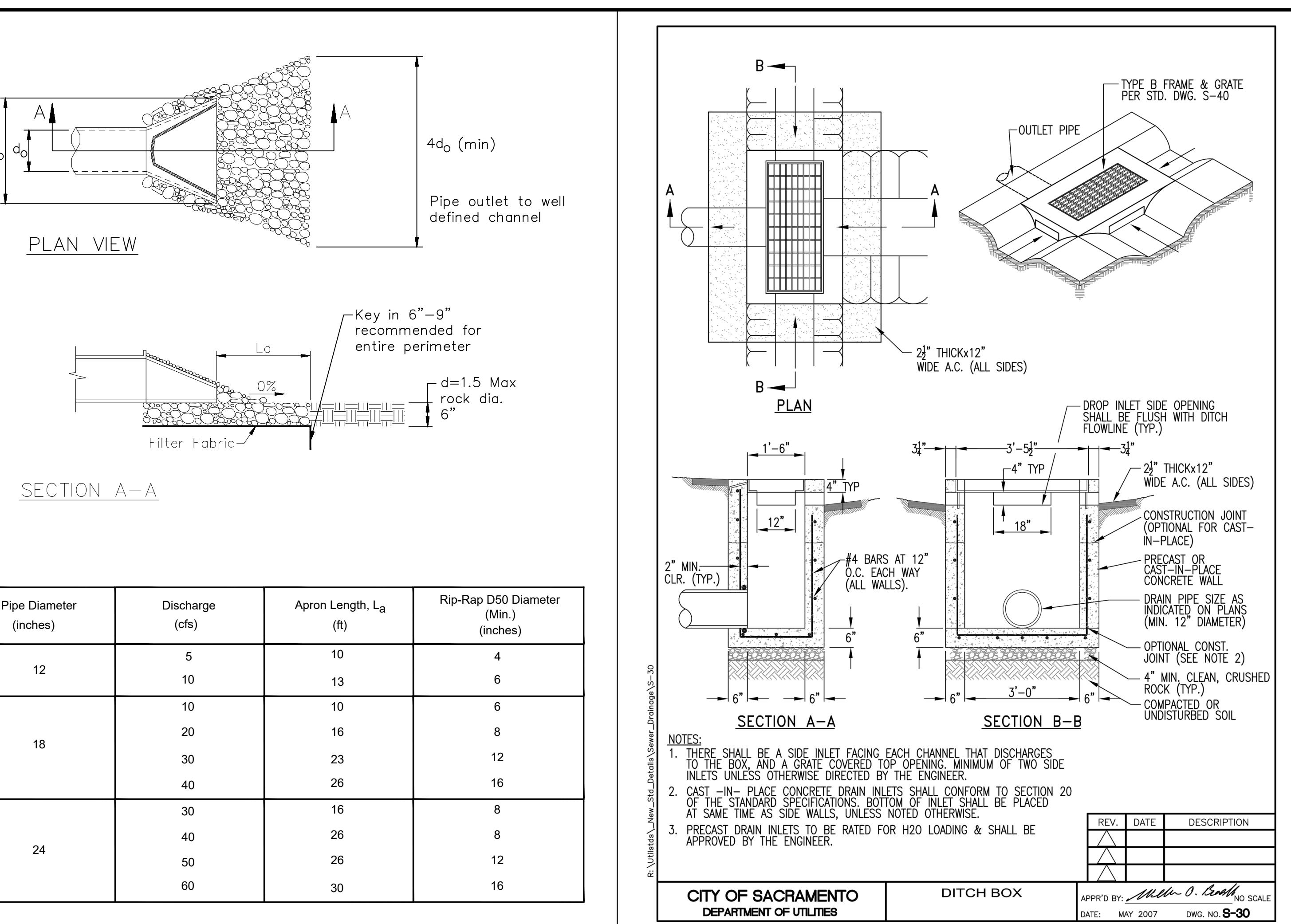
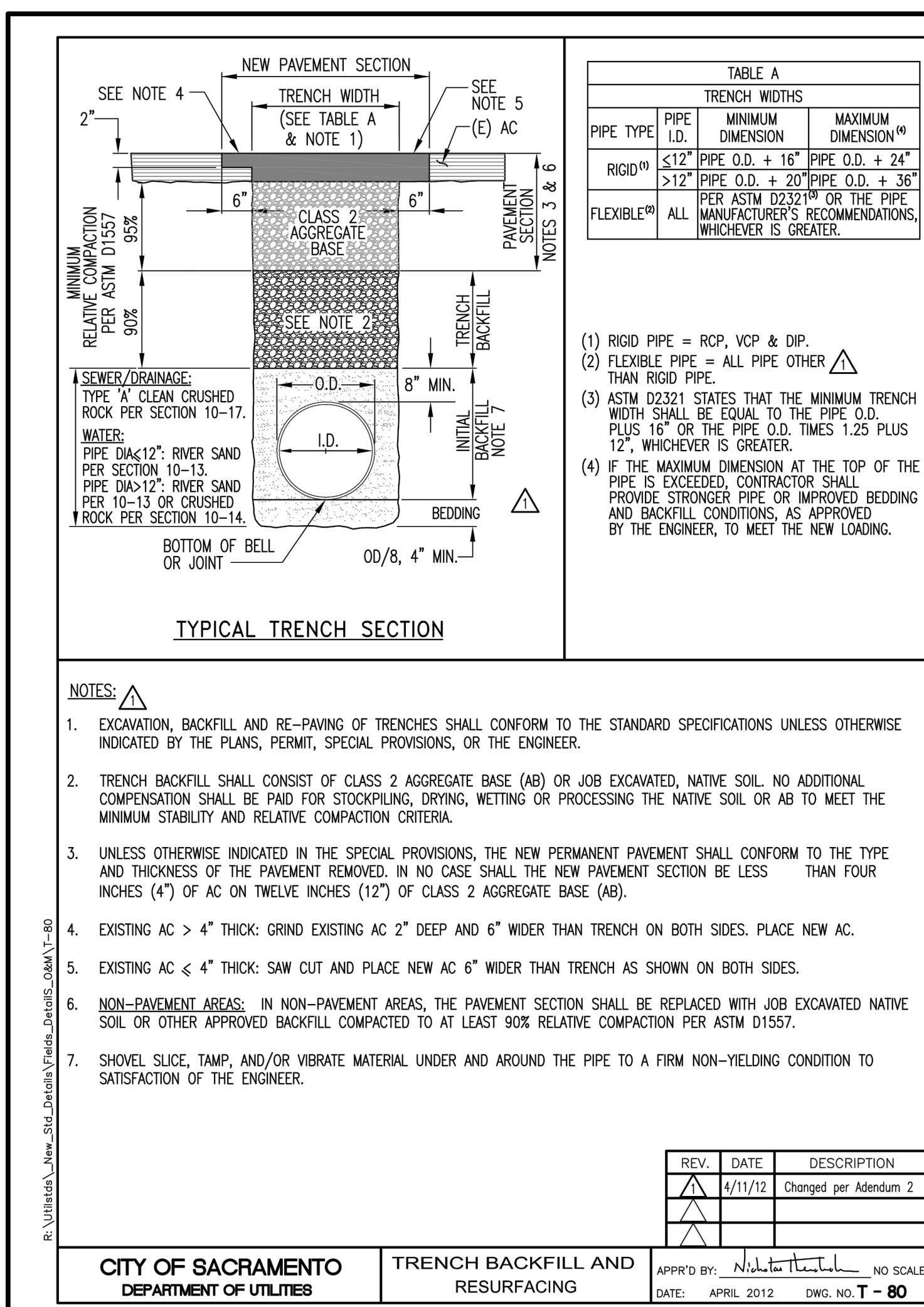
226 Douglas Blvd, Suite 160, Roseville, CA 95661
Ph: 916-772-8800 | www.cwecorp.com

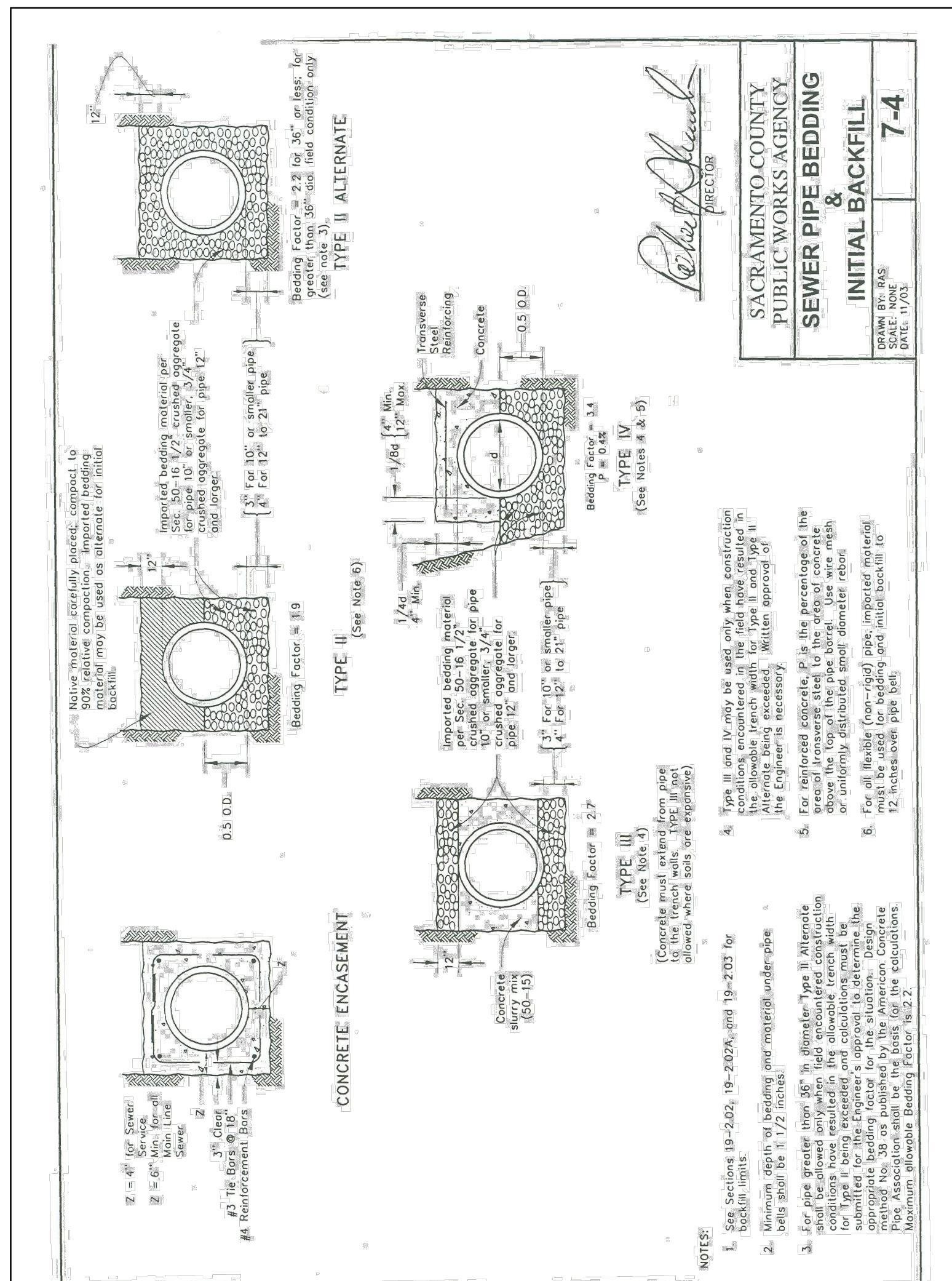
ON-SITE IMPROVEMENT PLANS FOR	NERADSCAL SUBDIVISION
SACRAMENTO, CA 95838	APN: 237-020-092
EROSION AND SEDIMENT CONTROL NOTES AND DETAILS	

Sheet
C9

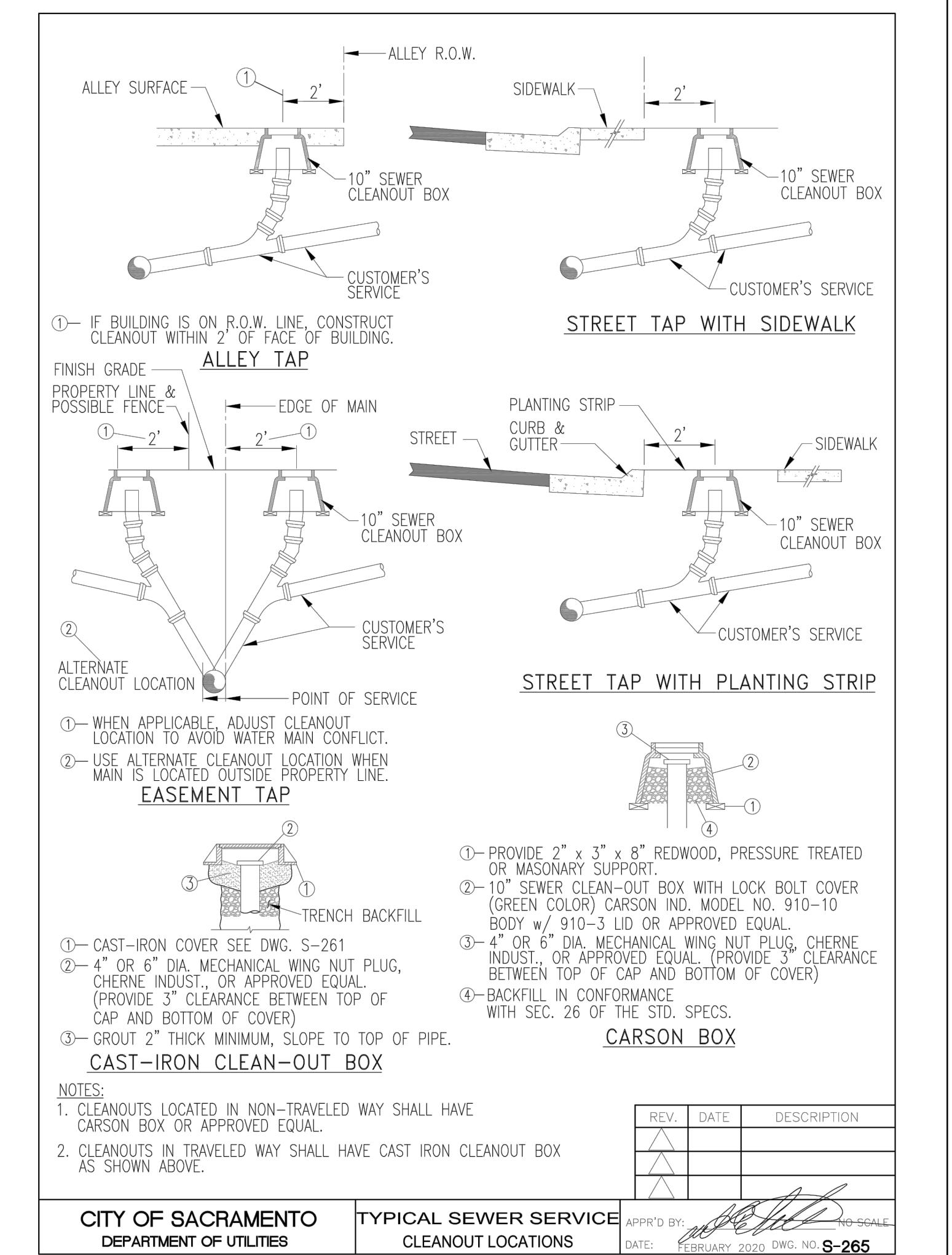
11 of 14
9/12/2023



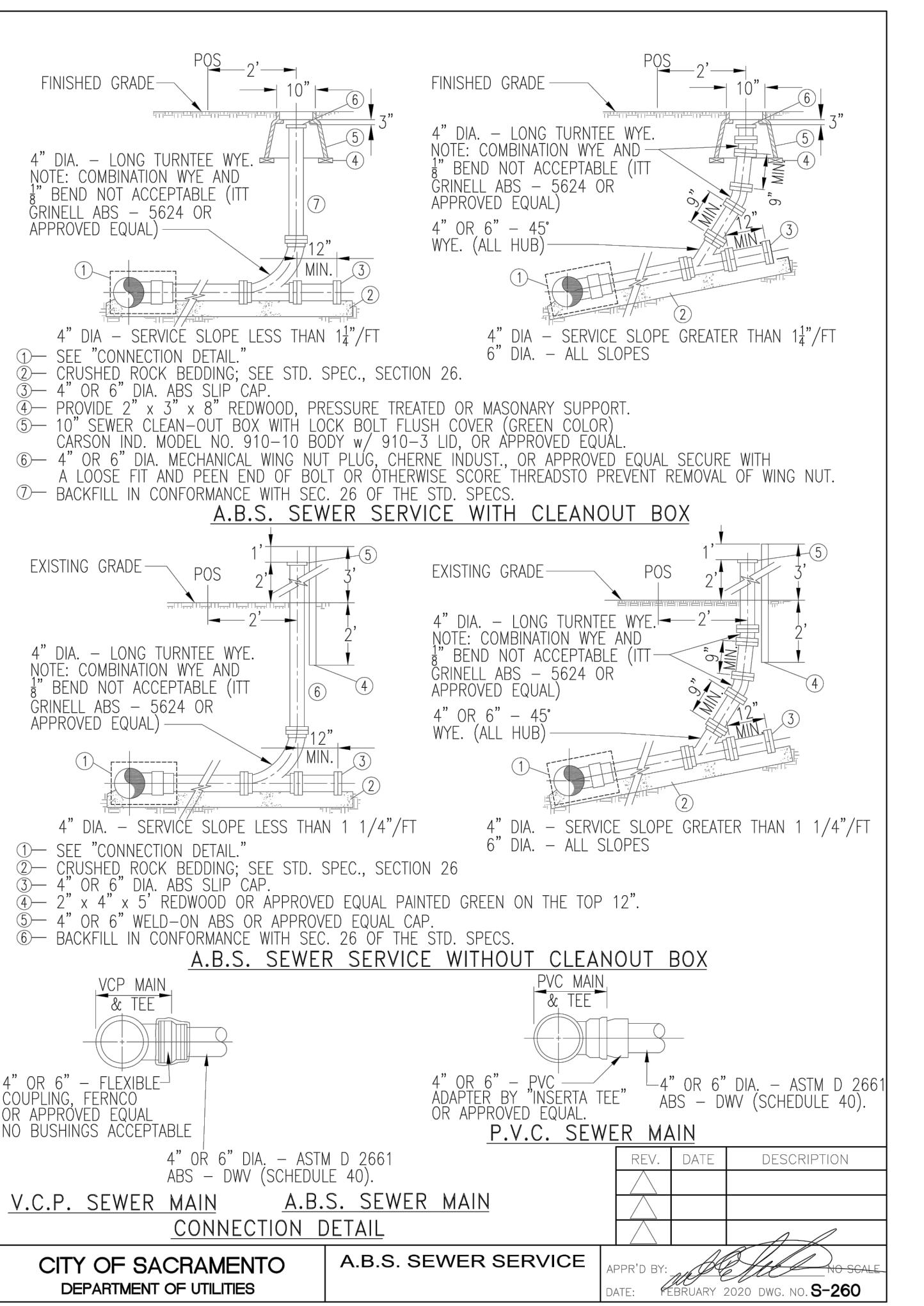




3 NTS SEWER PIPE BEDDING



2 NTS TYP. SSCO LOCATIONS



1 NTS ABS SEWER SERVICE

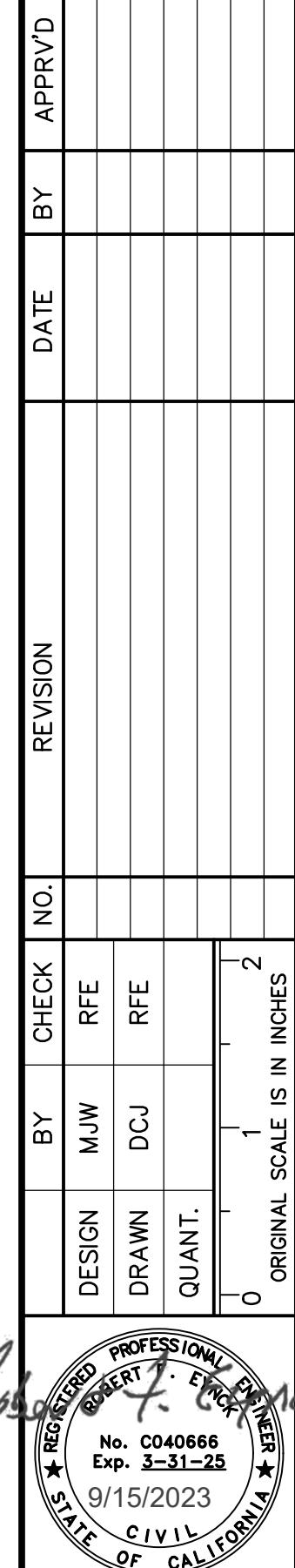
ON-SITE IMPROVEMENT PLANS FOR NERADSCAI SUBDIVISION SACRAMENTO, CA 95838 APN: 237-020-092

CONSTRUCTION DETAILS 3

C10.3

W=

2260 Douglas Blvd, Suite 160, Roseville, CA 95662
Ph: 916-772-7800 | www.cweccorp.com

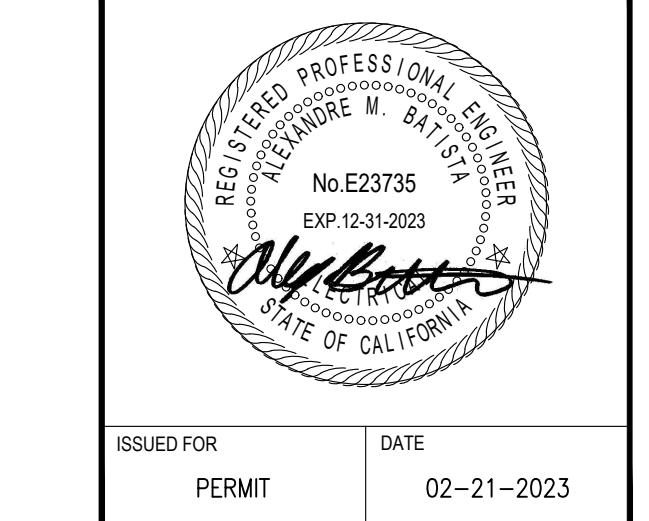


OPTIMIZED ENERGY™
& FACILITIES CONSULTING, INC.
 5734 Lorraine Boulevard, Rocklin, CA 95765
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905 NORTH AVENUE - OFFSITE
 905 NORTH AVENUE
 SACRAMENTO, CALIFORNIA 95838

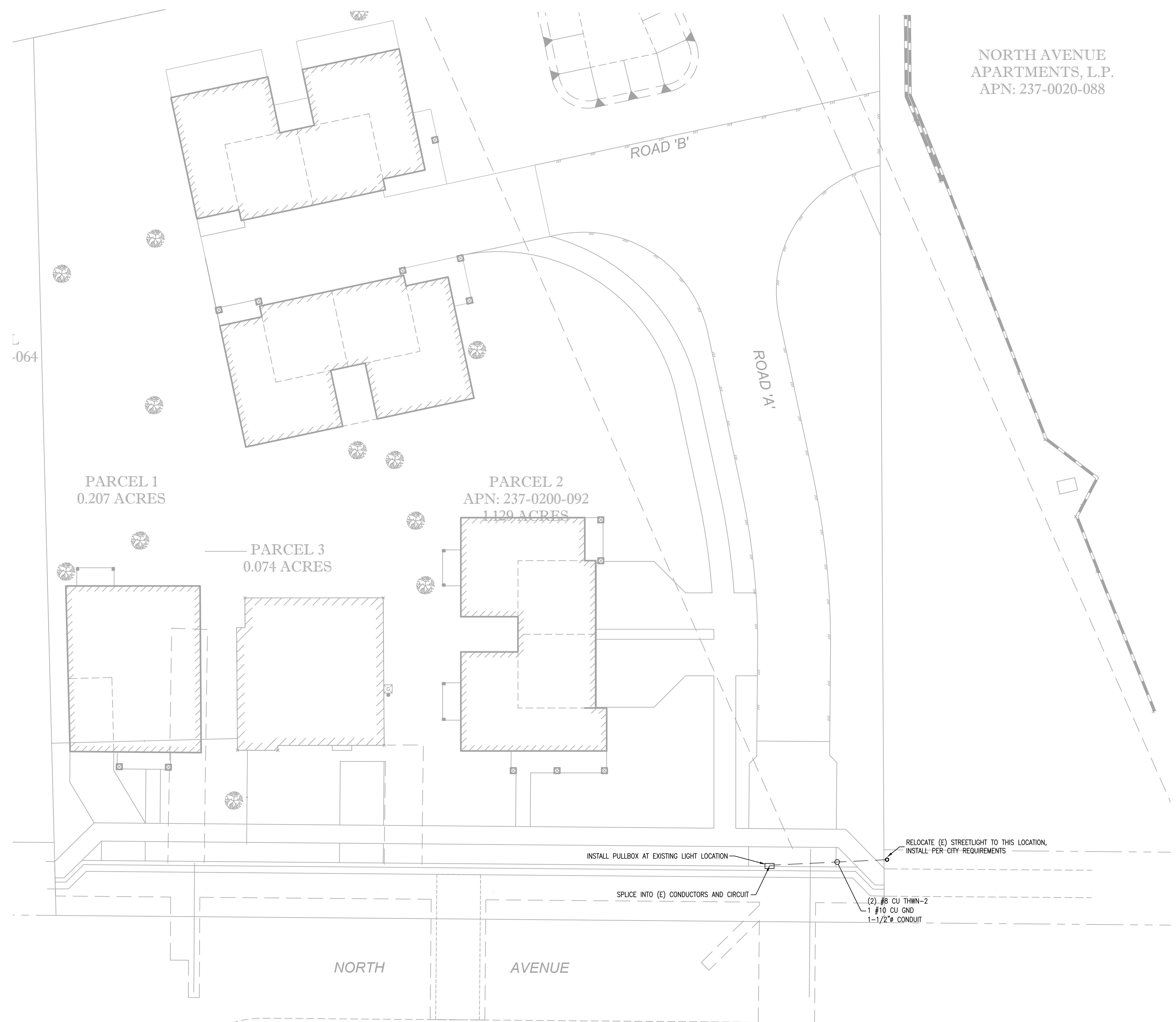
SHEET TITLE
 ELECTRICAL
 POWER OFFSITE
 PLAN
 SHEET NO.
 NORTH
 FOR REFERENCE ONLY
 CEO

DATE		
JOB NO.	22161	REVISION
DRAWN		DESCRIPTION
AIJN		
CHECKED		
ORIGINAL DATE	06-06-2022	



ISSUED FOR PERMIT DATE 02-21-2023

NORTH AVENUE
 APARTMENTS, L.P.
 APN: 237-0020-088



FOR REFERENCE ONLY

LIGHTING FIXTURE SCHEDULE

TAG	TYPE	MANU.	SERIES	MODEL	QTY.	MOUNTING	VOLT.	WATTAGE	SOURCE	LUMENS	CCT	WEIGHT (LBS)	REMARKS
01	OUTDOOR SCONCE	COOPER	INVUE	ENC-SA1A-740-U-SL2-DP-HSS	4	WALL @10' ABOVE GRADE	120	20.1	LED	2210	4000K	29.1	INSTALL WITH HOUSE SIDE SHIELDS
02	OUTDOOR POLE	COOPER	STREETWORKS	MPB-AF-D-U-SYM	4	POLE @12' ABOVE GRADE	120	58	LED	5096	4000K	34.0	
03	OUTDOOR POLE	COOPER	LUMARK	LDRL-SL2-E02-E-HSS	4	POLE @15' ABOVE GRADE	120	52	LED	5856	4000K	35.0	INSTALL WITH HOUSE SIDE SHIELDS

NOTES: COORDINATE ALL ARCHITECTURAL TRIM AND ACCESSORY OPTIONS WITH OWNER EQUIVALENT FIXTURES ACCEPTABLE CONTINGENT ON OWNER APPROVAL

LIGHTING ZONE STATISTICS

ZONE	NAME	AVERAGE FC	MAXIMUM FC	MINIMUM FC
A	SHARED DRIVEWAY	1.9	3.9	0.6
B	WALKWAYS	2.3	3.9	0.8
C	ADJACENT RESIDENTIAL PROPERTY	0.0	0.1	0.0

SHEET NOTES:

- (E) EXISTING
- (N) NEW
- (R) RELOCATED
- (D) DEMO
- ALL LIGHT FIXTURES/CONTROLS SHOWN ARE (N) U.O.N.
- ALL POLE MOUNTED LIGHT FIXTURES TO HAVE CONCRETE POLE BASE
- ALL EXTERIOR LIGHT FIXTURES TO BE CONTROLLED BY PHOTOCONTROL AND AUTOMATIC SCHEDULE CONTROL
- LIGHT FIXTURES 02 & 03 TO BE CONTROLLED BY MOTION SENSOR CAPABLE OF DIMMING THE FIXTURE BY 50-90% AND SEPARATELY CAPABLE OF TURNING THE FIXTURE OFF DURING UNOCCUPIED HOURS
- FIXTURES MOUNTED ON THE BUILDINGS WILL BE UNDER SEPARATE PERMIT AND ARE SHOWN FOR PHOTOMETRIC PURPOSES ONLY

KEY NOTES:

- Fixture 02 is mounted at 12' and is at a distance between 1-2 mounting heights from the property line.
Fixture 02 has a BUG rating of B2-U4-G2, and has a lumen output less than 6,200 lumens.
Fixture 02 is exempt from California Green Building Standards Code BUG ratings listed on Table 5.108.8 per California Building Energy Efficiency Standards Section 130.2(b).
- Fixture 03 is mounted at 15' and is at a distance between 1-2 mounting heights from the property line.
Fixture 03 has a BUG rating of B1-U0-G2, and has a lumen output less than 6,200 lumens.
Fixture 03 is exempt from California Green Building Standards Code BUG ratings listed on Table 5.108.8 per California Building Energy Efficiency Standards Section 130.2(b).

CITY OF SACRAMENTO
APN 237-0200-077

ARAYA ET AL
APN: 237-0020-064

PARCEL 1
0.207 ACRES

PARCEL 3
0.074 ACRES

(A) ELECTRICAL PLAN - SITE PHOTOMETRIC
SCALE: 1/16"=1'-0"

905 NORTH AVENUE
905 NORTH AVENUE
SACRAMENTO, CALIFORNIA 95838

OPTIMIZED ENERGY™
& FACILITIES CONSULTING, INC.
5734 Lorraine Boulevard, Rocklin, CA 95765
Office: (916) 626-5518 www.ofcinc.com

PHOTOMETRIC
SITE PLAN

NORTH

EO

APN NO.	22161	REVISION	△	PC COMMENTS	DATE	05-17-2023
DRAWN	AJM	CHECKED			ORIGINAL DATE	06-06-2022

ISSUED FOR
PERMIT

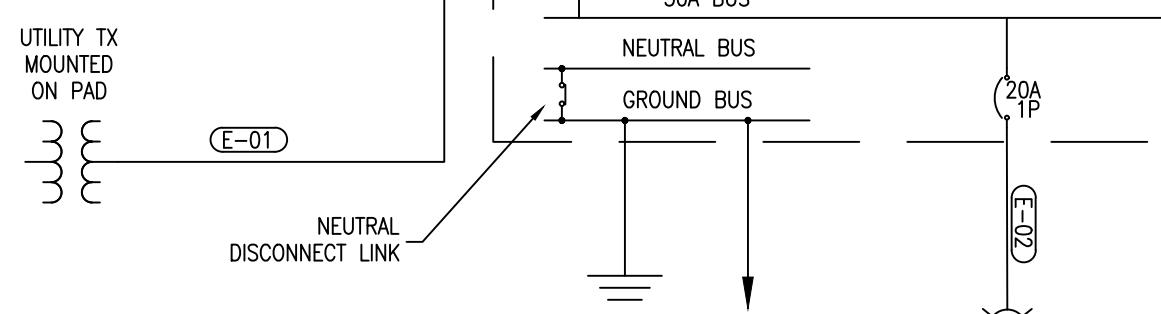
DATE
05-23-2023

SHEET TITLE

PHOTOMETRIC
SITE PLAN

SHEET NO.

NEW SERVICE - SINGLE LINE DIAGRAM



ONE-LINE NOTES:

- (N) - NEW
(E) - EXISTING
(R) - REPLACED
(F) - FUTURE
- ALL EQUIPMENT/WIRING IS (N) U.O.N.
- ALL WIRING INSULATION SHALL BE THHN-2, U.O.N.
- THE SERVICE DISCONNECT SHALL BE PERMANENTLY MARKED PER CEC 230.70(B)
- POST A DATED AVAILABLE FAULT CURRENT CALCULATION AT THE SERVICE EQUIPMENT PER CEC 110.24
- SWITCHBOARDS, PANELBOARDS, INDUSTRIAL CONTROLS PANELS, ETC. SHALL BE FIELD OR FACTORY MARKED TO WARN QUALIFIED PERSONS OF POTENTIAL ELECTRIC ARC FLASH HAZARDS. MARKINGS SHALL MEET 110.21(B) AND BE CLEARLY VISIBLE PER CEC 110.16

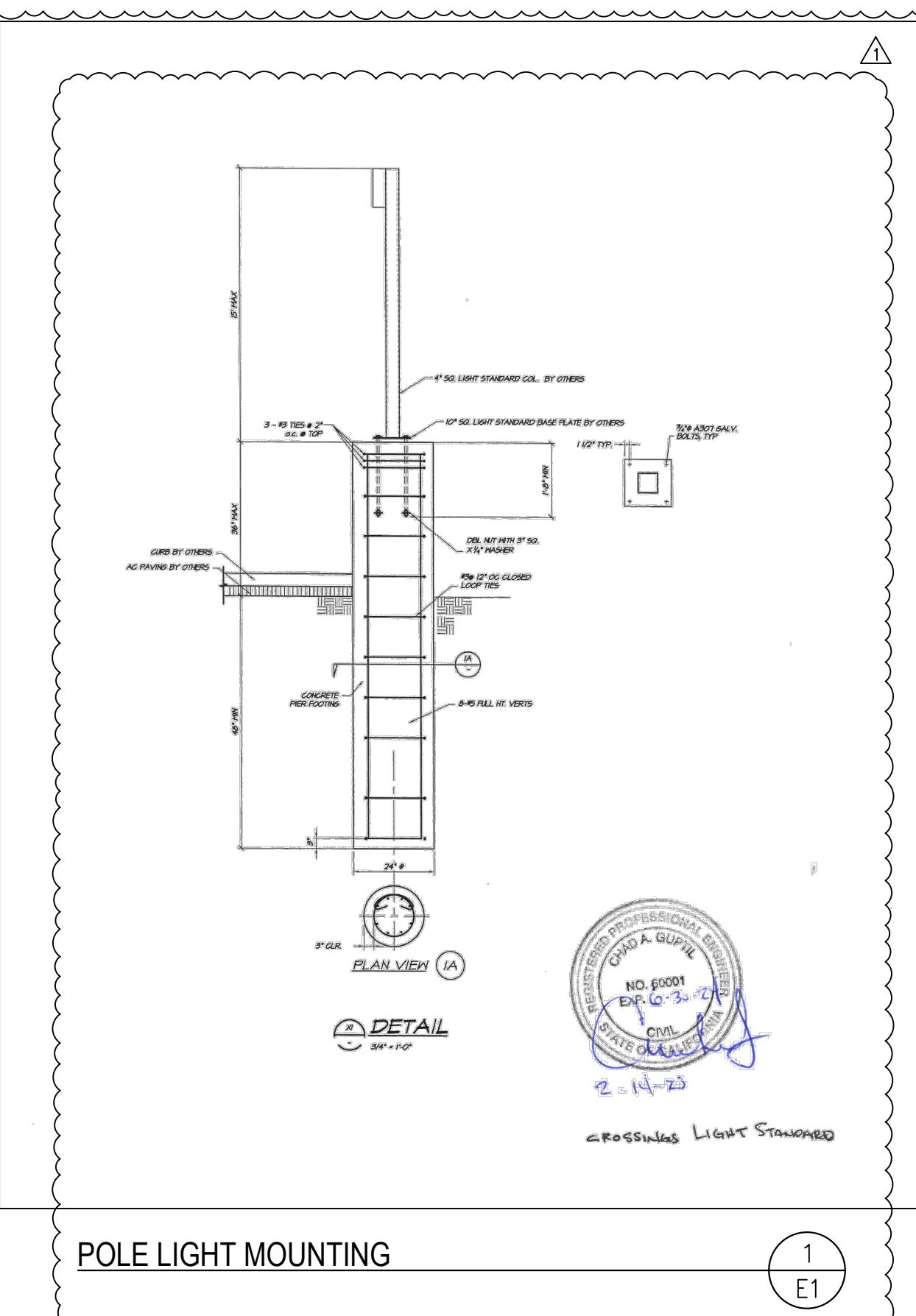
ONE-LINE KEY NOTES:

- GROUND ELECTRODE SYSTEM: MINIMUM #6 AWG CU GEC CONNECTED TO GROUND ELECTRODE PER CEC 250.52(A), AND WHERE NOT EXPOSED TO PHYSICAL DAMAGE, A BARE #6, OR LARGER, CU GEC SHALL BE PERMITTED PER CEC 250.64
- MINIMUM #8 BARE COPPER BOND TO METAL FRAMING AND METAL PIPING

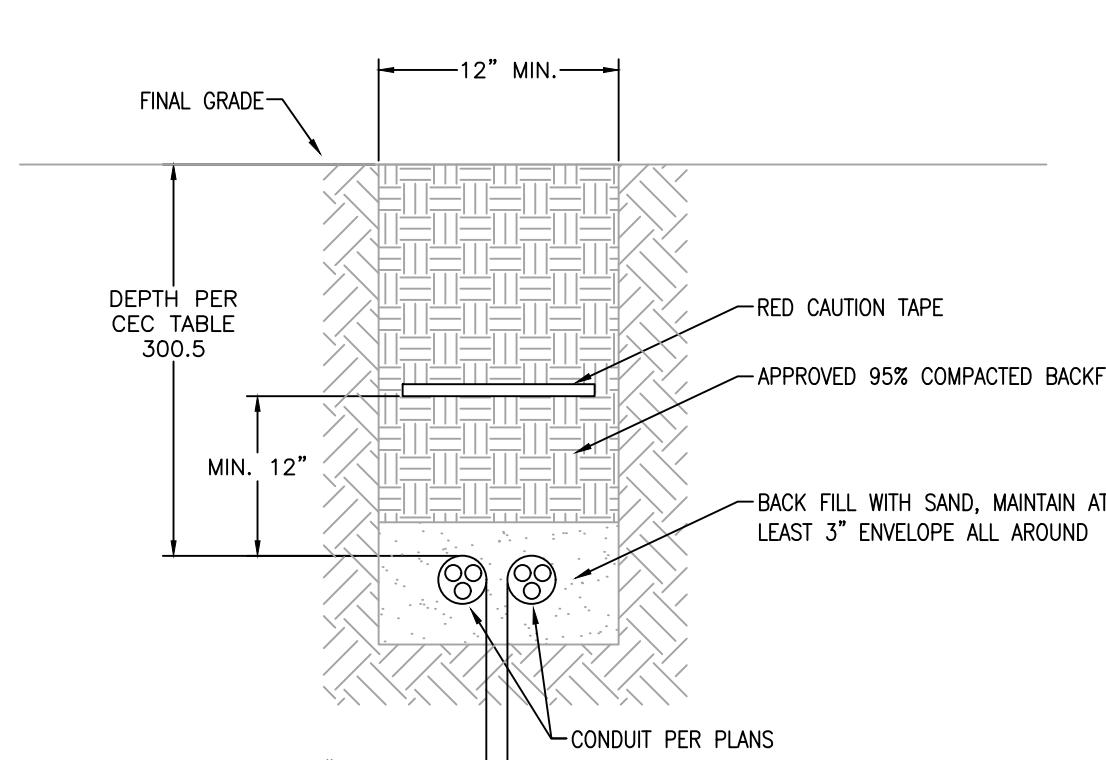
LOAD CALC FOR SERVICE:
(N) SITE LIGHTING = 320.4 VA
520.4 VA/120V = 4.34A
4.34A²1.25 = 5.42A<20A

FEEDER SCHEDULE

TAG	# OF SETS	CONDUIT (PER SET)	CONDUCTORS (PER SET)		REMARKS
			PHASE/NEUTRAL	GROUND	
E-01	1	1"	(3) #8 AWG CU	-	-
E-02	1	1"	(2) #10 AWG CU	(1) #10 AWG CU	-



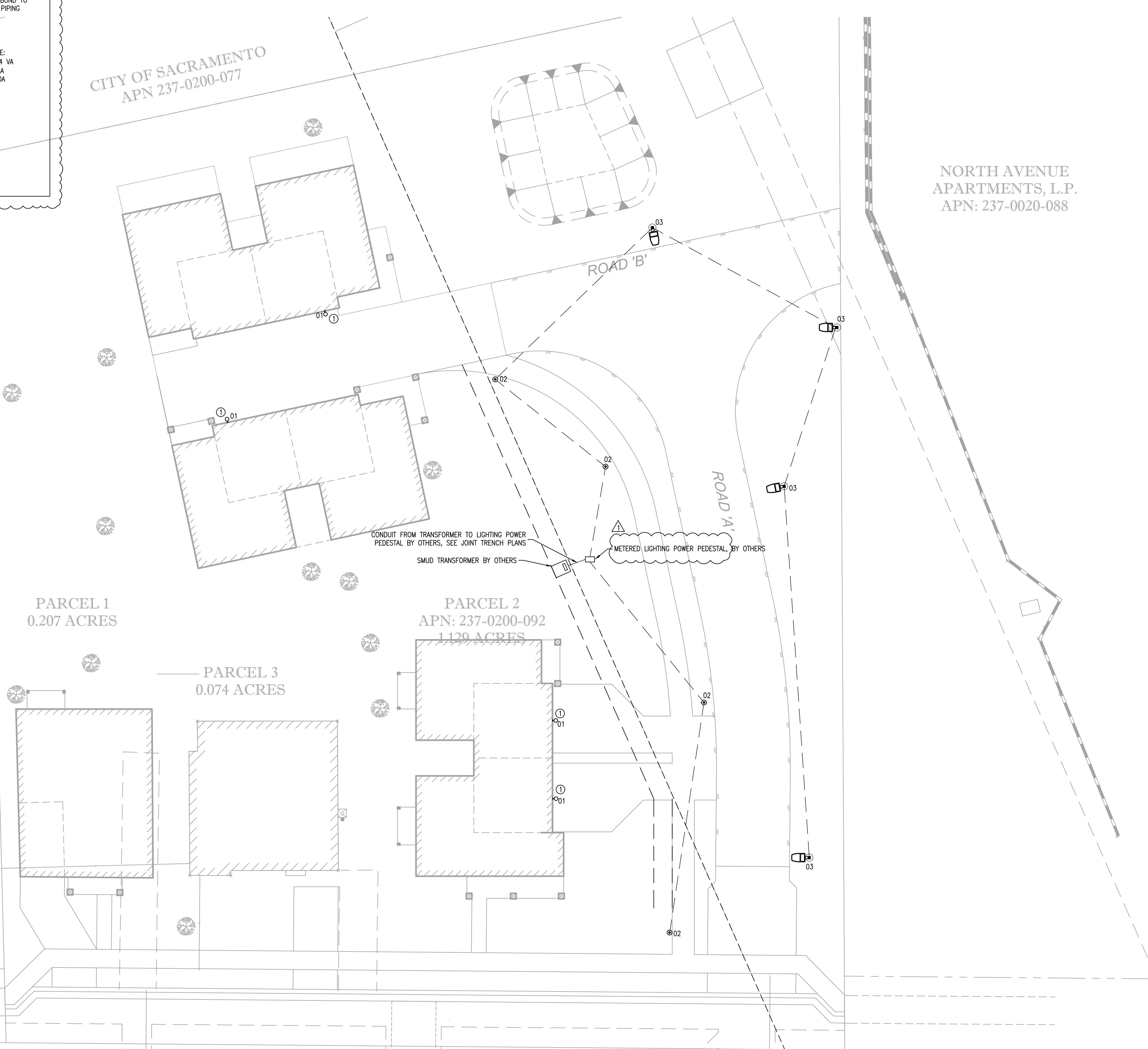
POLE LIGHT MOUNTING



- NOTES:**
- BOTTOM OF TRENCH SHALL BE SQUARE AND CLEAN
 - REFER TO PLANS FOR QUANTITY AND SIZES OF CONDUITS
 - SAND SHALL BE FINE GRANULAR MATERIAL, FREE OF ORGANIC MATTER, MICA, LOAM OR CLAY

UNDERGROUND TRENCH DETAIL

2
E1



A ELECTRICAL PLAN - SITE POWER
SCALE: 1/16"=1'-0"

NORTH
E1

905 NORTH AVENUE
905 NORTH AVENUE
SACRAMENTO, CALIFORNIA 95838

SHEET TITLE
ELECTRICAL
POWER SITE PLAN
SHEET NO.
E1

JOB NO.	22161	REVISION	△	PC COMMENTS	DATE
DRAWN		AIJN			05-17-2023
CHECKED					
ORIGINAL DATE	06-06-2022				

REGISTERED PROFESSIONAL ENGINEER
ALEXANDRE M. GATTA
No. E23735
EXP. 12/31/2023
STATE OF CALIFORNIA

REVISION	PC COMMENTS	DATE
		05-17-2023
22161	DRAWN	05-06-2022
	AJIN	CHECKED
		ORIGINAL DATE

OPTIMIZED ENERGY
FACILITIES CONSULTING, INC.
5734 Lonestar Boulevard, Rocklin, CA 95765
Office: (916) 626-5518 | www.oefinc.com

905 NORTH AVENUE
905 NORTH AVENUE
SACRAMENTO, CALIFORNIA 95838

SHEET TITLE: SITE LIGHTING ENERGY REPORT
SHEET NO: EN0

STATE OF CALIFORNIA Outdoor Lighting NRCC-LTO-E		CALIFORNIA ENERGY COMMISSION																					
CERTIFICATE OF COMPLIANCE NRCC-LTO-E																							
Project Name:	905 North Avenue	Report Page:	(Page 1 of 7)																				
Project Address:	905 North Avenue	Date Prepared:	6/2/2022																				
A. GENERAL INFORMATION																							
<table border="1"> <tr> <td>01 Project Location (city)</td> <td>Sacramento</td> <td>04 Total Illuminated Hardscape Area (ft²)</td> <td>11090</td> </tr> <tr> <td>02 Climate Zone</td> <td>12</td> <td colspan="2"></td> </tr> <tr> <td colspan="4">03 Outdoor Lighting Zone per Title 24 Part 1 §10.114 or as designated by Authority Having Jurisdiction (AHJ):</td> </tr> <tr> <td colspan="2"><input type="checkbox"/> L2-0: Very Low - Developed Parkland</td> <td colspan="2"><input type="checkbox"/> L2-2: Moderate - Rural Areas</td> </tr> <tr> <td colspan="2"><input type="checkbox"/> L2-1: Low - Developed Parkland</td> <td colspan="2"><input checked="" type="checkbox"/> L2-3: Moderately High - Urban Areas</td> </tr> </table>				01 Project Location (city)	Sacramento	04 Total Illuminated Hardscape Area (ft ²)	11090	02 Climate Zone	12			03 Outdoor Lighting Zone per Title 24 Part 1 §10.114 or as designated by Authority Having Jurisdiction (AHJ):				<input type="checkbox"/> L2-0: Very Low - Developed Parkland		<input type="checkbox"/> L2-2: Moderate - Rural Areas		<input type="checkbox"/> L2-1: Low - Developed Parkland		<input checked="" type="checkbox"/> L2-3: Moderately High - Urban Areas	
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This table includes outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.7 or §141.0(b)(2) , for alterations.																							
My Project Consists of:																							
01 <input type="checkbox"/> New Lighting System		02 Must Comply with Allowances from §140.7																					
<input type="checkbox"/> Altered Lighting System		Is your alteration increasing the connected lighting load (Watts)? <input type="radio"/> Yes <input type="radio"/> No																					
03 <input type="checkbox"/> < 10% and < 50%		04 <input type="checkbox"/> >= 50%																					
% of Existing Luminaire Being Altered ¹ Sum of Total Luminares Being Added or Altered Calculation Method																							
Please proceed to Table F, Outdoor Lighting Fixture Schedule to define the project's luminaire.																							
FOOTNOTES: % of Existing Luminaire Being Altered = (Sum of Total Luminares Being Added or Altered / Existing Luminaire within the Scope of the Permit Application) x 100.																							

STATE OF CALIFORNIA Outdoor Lighting NRCC-LTO-E		CALIFORNIA ENERGY COMMISSION																																		
CERTIFICATE OF COMPLIANCE NRCC-LTO-E																																				
Project Name:	905 North Avenue	Report Page:	(Page 2 of 7)																																	
Project Address:	905 North Avenue	Date Prepared:	6/2/2022																																	
C. COMPLIANCE RESULTS																																				
Results in this table are automatically calculated from data input and calculations in Tables F through I. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D, Exceptional Conditions for guidance or see applicable Table referenced below.																																				
<table border="1"> <thead> <tr> <th colspan="2">Calculations of Total Allowed Lighting Power (Watts) §140.7 or §141.0(b)(2)</th> <th colspan="2">Compliance Results</th> </tr> <tr> <th>01</th> <th>02</th> <th>03</th> <th>04</th> <th>05</th> <th>06</th> <th>07</th> <th>08</th> <th>09</th> </tr> </thead> <tbody> <tr> <td>General Hardscape Allowance §140.7(d)(1) (See Table I)</td> <td>+ Application §140.7(d)(2) (See Table J)</td> <td>+ Sales Frontage §140.7(d)(2) (See Table K)</td> <td>+ Ornamental §140.7(d)(2) (See Table M)</td> <td>+ Per Specific Area Allowance §141.0(b)(2) (See Table N)</td> <td>OR</td> <td>Total Allowed (Watts)</td> <td>></td> <td>Total Actual (Watts)</td> <td>07 must be >= 08</td> </tr> <tr> <td>1,061.69</td> <td>+ ---</td> <td>+ ---</td> <td>+ ---</td> <td>+ ---</td> <td>OR</td> <td>1,061.69</td> <td>></td> <td>520.4</td> <td>COMPLIES</td> </tr> </tbody> </table>				Calculations of Total Allowed Lighting Power (Watts) §140.7 or §141.0(b)(2)		Compliance Results		01	02	03	04	05	06	07	08	09	General Hardscape Allowance §140.7(d)(1) (See Table I)	+ Application §140.7(d)(2) (See Table J)	+ Sales Frontage §140.7(d)(2) (See Table K)	+ Ornamental §140.7(d)(2) (See Table M)	+ Per Specific Area Allowance §141.0(b)(2) (See Table N)	OR	Total Allowed (Watts)	>	Total Actual (Watts)	07 must be >= 08	1,061.69	+ ---	+ ---	+ ---	+ ---	OR	1,061.69	>	520.4	COMPLIES
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Cutoff Compliance (See Table G for Details)																																				
Controls Compliance (See Table H for Details)																																				
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This table is auto-filled with unedited comments because of selections made or data entered in tables throughout the form.																																				
E. ADDITIONAL REMARKS																																				
This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.																																				
See plan sheet EO																																				

STATE OF CALIFORNIA Outdoor Lighting NRCC-LTO-E		CALIFORNIA ENERGY COMMISSION																																																			
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F. OUTDOOR LIGHTING FIXTURE SCHEDULE																																																					
For new or altered lighting systems demonstrating compliance with §140.7 , all new luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application are included in the table. For altered lighting systems using the Existing Power method per §141.0(b)(2) , only new luminaires being installed and replacement luminaires being installed as part of the project scope are included (i.e., existing luminaires remaining or existing luminaires being moved are not included).																																																					
Designed Wattage:																																																					
<table border="1"> <thead> <tr> <th>01</th> <th>02</th> <th>03</th> <th>04</th> <th>05</th> <th>06</th> <th>07</th> <th>08</th> <th>09</th> <th>10</th> </tr> </thead> <tbody> <tr> <td>Name or Item Tag</td> <td>Complete Luminaire Description</td> <td>Watts per Luminaire¹</td> <td>How is Wattage determined</td> <td>Total number luminaires²</td> <td>Luminaire Status³</td> <td>Excluded per §140.7(a)</td> <td>Design Watts</td> <td>Cutoff Req. > 6,200 initial lumen output</td> <td>Field Inspector</td> </tr> <tr> <td>O1</td> <td>O1</td> <td><input type="checkbox"/> Linear</td> <td>20.1</td> <td>Mfr. Spec</td> <td>4</td> <td>New</td> <td><input type="checkbox"/></td> <td>80.4</td> <td>NA: < 6200 lumens <input type="checkbox"/> <input type="checkbox"/></td> </tr> <tr> <td>O2</td> <td>O2</td> <td><input type="checkbox"/> Linear</td> <td>58</td> <td>Mfr. Spec</td> <td>4</td> <td>New</td> <td><input type="checkbox"/></td> <td>232</td> <td>NA: < 6200 lumens <input type="checkbox"/> <input type="checkbox"/></td> </tr> <tr> <td>O3</td> <td>O3</td> <td><input type="checkbox"/> Linear</td> <td>52</td> <td>Mfr. Spec</td> <td>4</td> <td>New</td> <td><input type="checkbox"/></td> <td>208</td> <td>NA: < 6200 lumens <input type="checkbox"/> <input type="checkbox"/></td> </tr> </tbody> </table>				01	02	03	04	05	06	07	08	09	10	Name or Item Tag	Complete Luminaire Description	Watts per Luminaire ¹	How is Wattage determined	Total number luminaires ²	Luminaire Status ³	Excluded per §140.7(a)	Design Watts	Cutoff Req. > 6,200 initial lumen output	Field Inspector	O1	O1	<input type="checkbox"/> Linear	20.1	Mfr. Spec	4	New	<input type="checkbox"/>	80.4	NA: < 6200 lumens <input type="checkbox"/> <input type="checkbox"/>	O2	O2	<input type="checkbox"/> Linear	58	Mfr. Spec	4	New	<input type="checkbox"/>	232	NA: < 6200 lumens <input type="checkbox"/> <input type="checkbox"/>	O3	O3	<input type="checkbox"/> Linear	52	Mfr. Spec	4	New	<input type="checkbox"/>	208	NA: < 6200 lumens <input type="checkbox"/> <input type="checkbox"/>
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Total Design Watts: 520.4																																																					
* NOTES: Selections with a * require a note in the space below explaining how compliance is achieved. EX: Luminaire is lighting a station EXCEPIONAL to §140.7(b) .																																																					
¹ FOOTNOTES: Authority Having Jurisdiction may ask for luminaire out sheets to confirm wattage used for compliance per §140.0(c) . ² For linear luminaires, wattage should be indicated as W/ft instead of Watts/luminaire. Total linear foot should be indicated in column 05 instead of number of luminaires. ³ Select "New" for new luminaires in a new outdoor lighting project, or for added luminaires in an alteration. Select "Altered" for replacement luminaires in an alteration. Select "Existing to Remain" for existing luminaires within the project scope that are not being altered and are remaining. Select "Existing Reinstalled" for existing luminaires which are being removed and reinstalled as part of the project scope.																																																					
* Compliance with mandatory cutoff requirements is required for luminaires with initial lumen output > 6,200 unless exempted by §130.2(b) .																																																					
G. CUTOFF REQUIREMENTS (BUG)																																																					
This section does not apply to this project.																																																					

Registration Number:
CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

Registration Date/Time:
Report Version: 2019.1.003

Registration Provider: Energysoft
Report Generated: 2022-06-02 15:55:09
Schema Version: rev 20200601

Registration Number:
CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

Registration Date/Time:
Report Version: 2019.1.003

Registration Provider: Energysoft
Report Generated: 2022-06-02 15:55:09

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STATE OF CALIFORNIA
Outdoor Lighting
NRCC-LTO-E

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE
NRCC-LTO-E

Project Name:
905 North Avenue

Report Page:
(Page 4 of 7)

Project Address:
905 North Avenue

Date Prepared:
6/2/2022

H. OUTDOOR LIGHTING CONTROLS

This table demonstrates compliance with controls requirements for all new or altered luminaires installed as part of the permit application. For alteration projects, luminaires which are existing to remain (ie untouched) and luminaires which are removed and reinstalled (wiring only) do not need to be included in this table even if they are within the spaces covered by the permit application.

When a * is selected, the notes section of this table must be completed. The lighting controls section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank.

Mandatory Controls

01	02	03	04	05
Area Description	Shut-Off §130.2(c)(1)	Auto-Schedule §130.2(c)(2)	Motion Sensor §130.2(c)(3)	Field Inspector
				<input type="checkbox"/> Pass <input type="checkbox"/> Fail
Walkways	Photocontrol	Yes	Yes	<input type="checkbox"/> <input type="checkbox"/>

* NOTES: Controls with a * require a note in the space below how compliance is achieved.

EX: Not permitted by health & safety to be turned off; EXCEPTION 1 to [§130.2\(c\)](#)

STATE OF CALIFORNIA Outdoor Lighting NRCC-LTO-E		CALIFORNIA ENERGY COMMISSION	
CERTIFICATE OF COMPLIANCE NRCC-LTO-E			
Project Name:	905 North Avenue	Report Page:	(Page 5 of 7)
Project Address:	905 North Avenue	Date Prepared:	6/2/2022

I. LIGHTING POWER ALLOWANCE (per [§140.7](#))
This table includes areas using allowance calculations per [§140.7](#). General Hardscape Allowance is per Table 140.7-A while "Use it or lose it" Allowances are per Table 140.7-B. Indicate which allowances are being used to expand sections for user input. Luminaires that qualify for one of the "Use it or lose it" allowances shall not qualify for another. Use it or lose it allowance.

General Use it or lose it Allowance (select all that apply) (select all that apply)
 Per Application Table J Sales Frontage Table K Ornamental Table L

Calculated General Hardscape Lighting Power Allowance per Table 140.7-A (LZ 0, 1 & 4)									
02	03	04	05	06	07	08	09	10	
Area Description	Surface Type	Area Wattage Allowance (AWA)	Total General AWA + LWA (Watts)						
Walkways	Concrete	3058	0.03	91.7	581	0.4	232.4	324	
Driveway	Asphalt	8032	0.025	200.8	747	0.2	186.8	388	
Initial Wattage Allowance for Entire Site (Watts): 350									
Total General Hardscape Allowance (Watts): 1062									

J. LIGHTING ALLOWANCE: PER APPLICATION
This section does not apply to this project.

K. LIGHTING ALLOWANCE: SALES FRONTAGE
This section does not apply to this project.

L. LIGHTING ALLOWANCE: ORNAMENTAL
This section does not apply to this project.

M. LIGHTING ALLOWANCE: PER SPECIFIC AREA
This section does not apply to this project.

STATE OF CALIFORNIA
Outdoor Lighting
NRCC-LTO-E

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE
NRCC-LTO-E

Project Name:
905 North Avenue

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Project Address:
905 North Avenue

Date Prepared:
6/2/2022

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Alex Batista
Signature Date: 2022-06-02
Company: Optimized Energy & Facilities Consulting
Address: 5734 Lonestree Blvd
City/State/Zip: Rocklin CA 95765
Phone: (916) 626-5518

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify that the information provided in this document is true and correct.

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1, California Code of Regulations, Title 24.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building plans issued for the project and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder submits to the building owner at occupancy.

Responsible Designer Name: Alex Batista
Signature Date: 2022-06-02<br