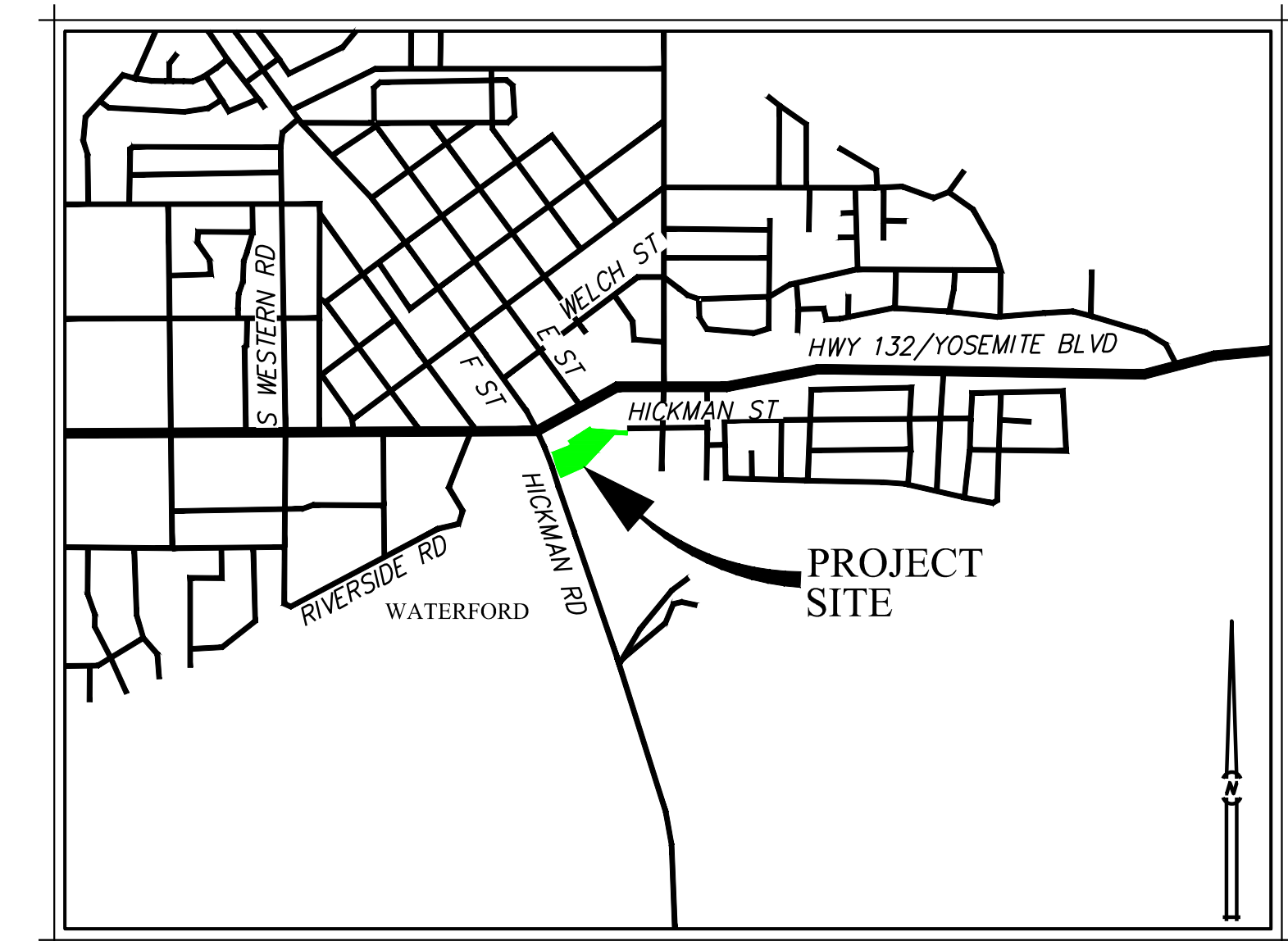


# ON-SITE IMPROVEMENT PLANS FOR:

# WATERFORD MINI STORAGE

## A.P.N. 080-035-008

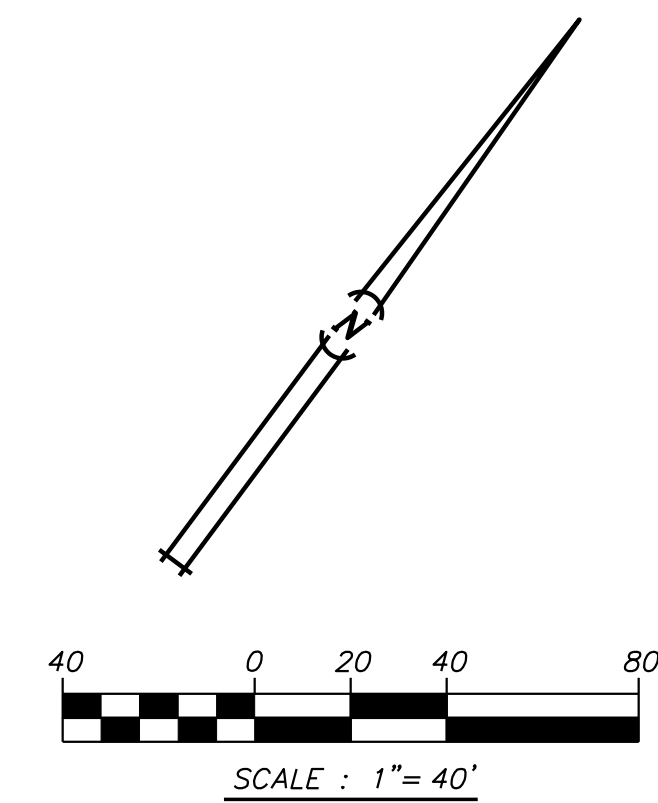
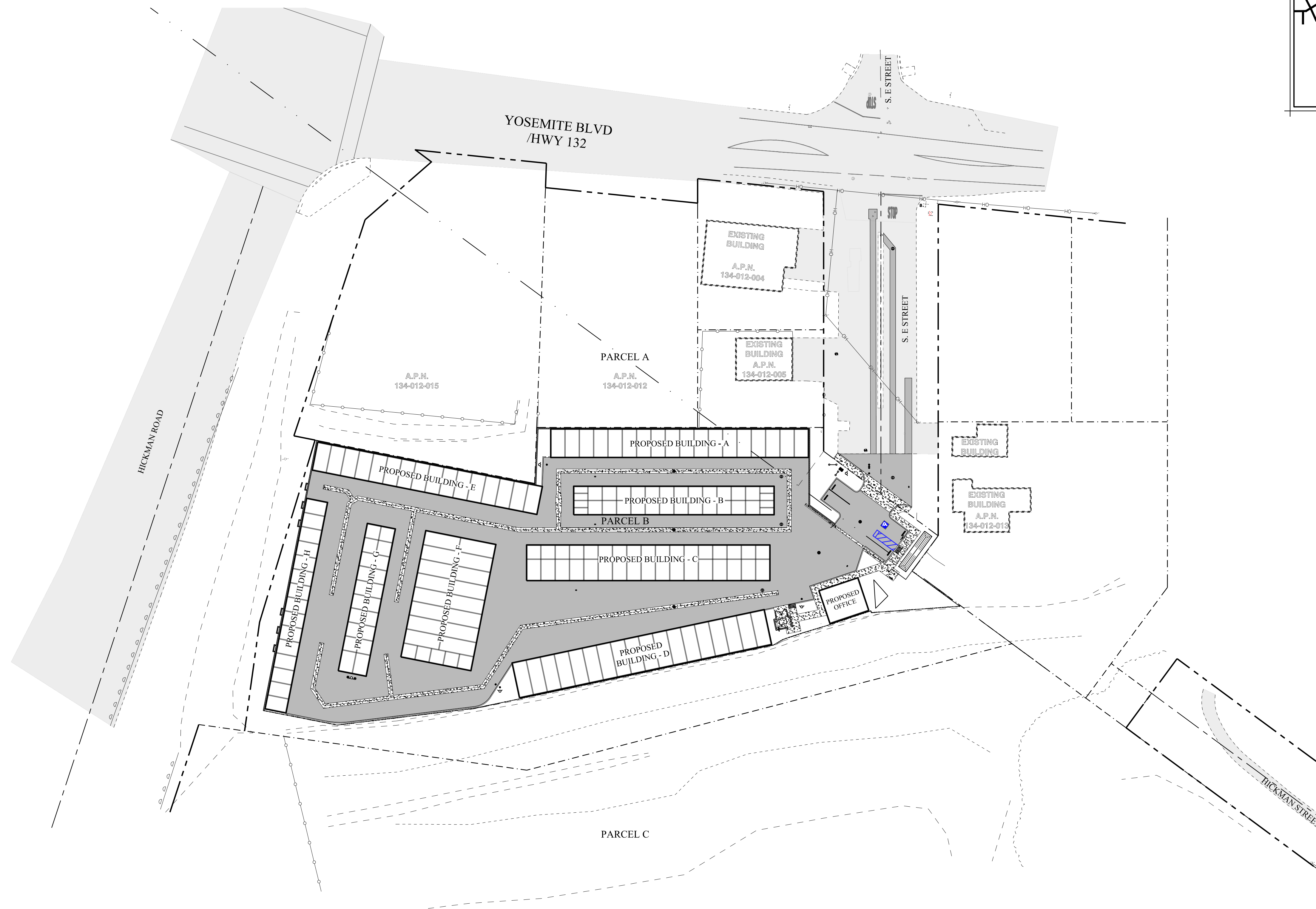
### WATERFORD, CALIFORNIA



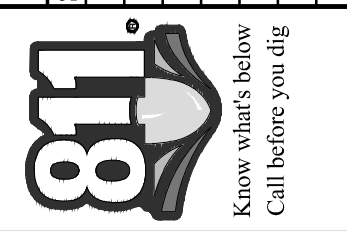
VICINITY MAP  
NTS

**OWNER**  
 RG7 ENTERPRISES  
 7520 SHORE CLIFF DRIVE  
 LOS ANGELES, CA 90045  
 PHONE: (209) 277-6452  
 CONTACT: JAVIER CALVAN

- INDEX**
- C1 COVER SHEET
  - C2 GENERAL NOTES & SPECIFICATIONS SHEET
  - C3 EXISTING TOPOGRAPHY & DEMOLITION PLAN
  - C4 HORIZONTAL CONTROL, STRIPING, & SIGNAGE PLAN
  - C5 GRADING PLAN SHEET 1
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  - C8 COMPOSITE UTILITY PLAN
  - C9 CONSTRUCTION DETAILS SHEET 1
  - C10 CONSTRUCTION DETAILS SHEET 2
  - C11 EROSION CONTROL PLAN



SYM.	DATE	DESCRIPTION OF REVISION	APPD.

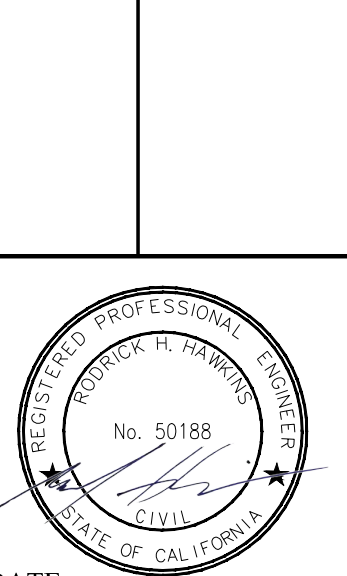


BY: MVP  
 CHK: R. HAWKINS  
 DATE: 2023/11/13

**HAWKINS & ASSOCIATES  
 ENGINEERING, INC.**  
 436 MITCHELL ROAD  
 MODESTO, CA. 95354  
 PH: (209) 575 - 4295  
 FX: (209) 578 - 4295




**COVER SHEET**  
 ON-SITE IMPROVEMENT PLANS FOR:  
**WATERFORM MINI STORAGE**  
**A.P.N. 080-035-008**  
 WATERFORD, CALIFORNIA



DATE:  
 SHEET  
 C1  
 OF  
 11

# HAWKINS & ASSOCIATES ENGINEERING SPECIFICATIONS

## GENERAL NOTES:

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CITY OF WATERFORD DEPARTMENT OF PUBLIC WORKS AND ALL OTHER CODES OR REGULATIONS IN FORCE BY APPLICABLE GOVERNING AGENCIES.
- BENCHMARK NOTES**  
DESCRIPTION: A SURVEY DISK ENCASED IN PVC PIPE WITH ACCESS COVER SET IN CONCRETE FLUSH WITH THE GROUND, LOCATED 40.6 FEET SOUTH OF THE CENTERLINE OF HIGHWAY 132.  
DATUM: NAVD 88  
ELEVATION: 152.00  
**ON-SITE BENCHMARK NOTES:**  
DESCRIPTION: CMAG IN PAVEMENT 11' FROM EDGE OF PAVEMENT ON E STREET. SHOWN AS   
ELEVATION: 172.54
- WHERE PLANS OR SPECIFICATIONS DESCRIBE PORTIONS OF THE WORK IN GENERAL TERMS, IT IS UNDERSTOOD THAT ONLY FIRST QUALITY WORKMANSHIP AND MATERIALS ARE TO BE USED.
- THE CONTRACTOR AGREES TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING CONSTRUCTION, INCLUDING JOB SITE SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO WORKING HOURS. THE CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD HAWKINS & ASSOCIATES ENGINEERING, INC. HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH WORK PERFORMED ON THIS PROJECT; EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF HAWKINS & ASSOCIATES ENGINEERING, INC.
- CONSTRUCTION STAKING FOR GRADING, CURB, GUTTER, SIDEWALK, SANITARY SEWER, STORM DRAIN, WATER, AND ELECTROLES SHALL BE DONE BY HAWKINS & ASSOCIATES ENGINEERING, INC. THE CONTRACTOR SHALL NOTIFY THE ENGINEER FORTY-EIGHT (48) HOURS IN ADVANCE OF THE NEED FOR STAKING. ANY STAKING REQUESTED BY THE CONTRACTOR OR THEIR SUBCONTRACTORS THAT IS ABOVE AND BEYOND STANDARD STAKING NEEDS, WILL BE SUBJECT TO AN EXTRA WORK BACK CHARGE TO THE CONTRACTOR.
- CAUTION:** CALL BEFORE YOU DIG. CALL UNDERGROUND SERVICE ALERT (USA) PRIOR TO TRENCHING, GRADING, EXCAVATION, DRILLING, BORING, SETTING POSTS, PLANTING TREES, ETC. USA WILL PROVIDE INFORMATION OR LOCATE AND MARK ANY UNDERGROUND UTILITIES. CALL USA, TOLL FREE AT 1 (800) 227-2600.
- CONTRACTOR SHALL LOCATE AND PRESERVE ALL FACILITIES INCLUDING GAS, WATER, IRRIGATION, SEWER, POWER, STREET LIGHTS, TELEPHONE, AND OTHERS WHICH MAY BE IN THE AREA OF CONSTRUCTION. RESPECTIVE UTILITY COMPANIES SHALL BE NOTIFIED PRIOR TO COMMENCEMENT OF WORK.
- ALL MANHOLE, LAMPPOLE, AND WATER VALVE CASTINGS AND COVERS SHALL BE ADJUSTED TO FINISH GRADE BY THE PAVING CONTRACTOR AFTER STREET IMPROVEMENTS ARE COMPLETE.
- A BUILDING AND/OR GRADING PERMIT SHALL BE OBTAINED FROM THE CITY OF WATERFORD BEFORE BEGINNING WORK.
- LINE AND GRADES: ALL DISTANCES AND MEASUREMENTS ARE GIVEN AND WILL BE MADE IN A HORIZONTAL PLANE. GRADES ARE GIVEN FROM THE TOP OF STAKES OR NAILS, UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PRESERVATION OF ALL STAKES AND CONTROL POINTS PROVIDED FOR PROJECT CONSTRUCTION. EXPENSES INCURRED FOR THE REPLACEMENT OF SUCH STAKES OR CONTROL POINTS SHALL BE BORNE BY THE CONTRACTOR.
- THE CONTRACTOR SHALL PROVIDE, AT HIS EXPENSE, APPROPRIATE DUST CONTROL AS REQUIRED FOR THE PREVENTION AND/OR ALLEVIATION OF DUST NOISANCE DURING THE COURSE OF PROJECT CONSTRUCTION.
- THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL SAFETY REGULATIONS PERTAINING TO HIS OPERATIONS. HE SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FLAG MEN OR OTHER DEVICES NECESSARY FOR PUBLIC SAFETY. THE CONTRACTOR'S ATTENTION IS CALLED TO THE REQUIREMENTS OF TITLE 8, CALIFORNIA ADMINISTRATIVE CODE, SUBCHAPTER 4, ARTICLE 6, "EXCAVATIONS, TRENCHES, EARTHWORK".
- THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF CHAPTER 9, SECTION 6705, 6706 AND 6707 OF THE STATE LABOR CODE. THE CONTRACTOR SHALL SUBMIT, FOR APPROVAL, A DETAILED PLAN SHOWING DESIGN OF ALL SHORING, BRACING, SLOPE CUTS AND OTHER PROVISIONS FOR WORKER PROTECTION IN AREAS OF EXCAVATION EXCEEDING FIVE FEET IN DEPTH. IF SUCH PLAN VARIES FROM SHORING SYSTEM STANDARDS, THE PLANS SHALL BE PREPARED BY A REGISTERED CIVIL OR STRUCTURAL ENGINEER.
- WARNING: UNAUTHORIZED USES OR CHANGES.** HAWKINS & ASSOCIATES ENGINEERING, INC. WILL NOT BE RESPONSIBLE, OR LIABLE FOR UNAUTHORIZED USES OR CHANGES TO THESE PLANS AND SPECIFICATIONS. ONLY A SIGNED AND DATED HARD COPY OF THESE PLANS SHALL BE USED FOR CONSTRUCTION. ANY CHANGES TO THESE PLANS MUST BE IN WRITING AND APPROVED BY HAWKINS & ASSOCIATES ENGINEERING, INC.
- THESE IMPROVEMENT PLANS HAVE BEEN PREPARED WITH THE INTENT THAT THE FIRM OF HAWKINS & ASSOCIATES ENGINEERING, INC. WILL BE PERFORMING THE CONSTRUCTION STAKING FOR THE COMPLETE PROJECT. IF, HOWEVER, ANOTHER ENGINEERING AND/OR SURVEYING FIRM SHOULD BE EMPLOYED TO USE THESE PLANS FOR THE PURPOSE OF CONSTRUCTION STAKING, NOTICE IS HEREBY GIVEN THAT THE FIRM OF HAWKINS & ASSOCIATES ENGINEERING, INC. WILL NOT ASSUME ANY RESPONSIBILITY FOR ERRORS OR OMISSIONS, IF ANY, WHICH MIGHT OCCUR AND WHICH COULD HAVE BEEN AVOIDED, CORRECTED, OR MITIGATED IF HAWKINS & ASSOCIATES ENGINEERING, INC. HAD PERFORMED THE STAKING WORK.
- COMBUSTIBLE MATERIALS SHALL NOT BE PLACED ON THE PROPERTY UNTIL STREETS AND FIRE HYDRANTS ARE APPROVED BY WATERFORD FIRE.

## GRADING NOTES:

- ALL CONSTRUCTION SHOWN IN THESE PLANS SHALL CONFORM TO THE 2022 STATE OF CALIFORNIA BUILDING CODE.
- AFTER CLEARING THE SITE AND DISKING, THE EXPOSED SOIL SURFACE SHOULD BE SCARIFIED A MINIMUM DEPTH OF 12", MOISTURE CONDITIONED 2% OVER OPTIMUM AND RE-COMPACTED TO 90% IN THE BUILDING AREAS, AND 95% IN AREAS TO BE COVERED WITH ASPHALT PAVING. THESE PERCENTAGES REFER TO THE MAXIMUM DRY DENSITY AS OBTAINED BY ASTM D-1557-78 TEST PROCEDURE. SEE GEOTECHNICAL REPORT FOR ADDITIONAL RECOMMENDATIONS.
- GENERAL CONTRACTOR SHALL COORDINATE WORK OF GRADING CONTRACTOR AND LANDSCAPE CONTRACTOR WITH RESPECT TO FINISH GRADING IN PLANTING AREAS. GRADING CONTRACTOR SHALL STOCKPILE APPROPRIATE YARDAGE FROM SITE PREPARATION FOR THIS USE. EXACT AMOUNT SHALL BE DETERMINED BY LANDSCAPE CONTRACTOR. THE DIRT STOCKPILED SHALL BE FREE FROM GRASS, WEEDS, AND OTHER DEBRIS. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FINAL PLACEMENT AND GRADING IN MOUNDING AREAS.
- COMPACTION TESTS: PAVING CONTRACTOR TO PROVIDE COMPACTION TESTS IN PAVED AREAS AS REQUIRED BY THE DEVELOPER, AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR TO PROVIDE COMPACTED PAD FOR THE BUILDING GRADED AT ELEVATIONS SHOWN ON THIS GRADING PLAN.
- A GEOTECHNICAL INVESTIGATION REPORT ENTITLED "PRELIMINARY GEOTECHNICAL INVESTIGATION PROPOSED WATERFORD MINI STORAGE BETWEEN HICKMAN ROAD & SOUTH E STREET (APN: 080-035-008)" DATED MAY 16, 2022, NATS JOB NO: 22-5476. THIS REPORT IS HEREBY ACKNOWLEDGED AS A REFERENCE DOCUMENT TO THESE PLANS. ALL SITE PREPARATION AND CONSTRUCTION SHALL BE IN ACCORDANCE TO THE RECOMMENDATIONS OF THIS REPORT.
- THE INTENT OF THESE NUMBERS ARE TO AID THE CONTRACTOR IN DETERMINING THE QUANTITIES OF DIRT TO BE MOVED. THE CUT AND FILL QUANTITIES SHOWN HEREON INDICATE A THEORETICAL YARDAGE FIGURE AND ARE GIVEN ONLY AS A CONVENIENCE TO THE CONTRACTOR. THESE EARTHWORK QUANTITIES ARE BASED ON THE FULL SITE DEVELOPMENT UTILIZING THE ASPHALT AND OR CONCRETE PAVEMENT SECTION OPTIONS AND INCLUDE TRENCH DRAIN AND ROCKWELL SPOOLS:

TOTAL CUT REQUIRED: 1,513 CY<sup>3</sup>  
TOTAL FILL REQUIRED: 1,050 CY<sup>3</sup>  
(20% COMPACTION INCLUDED)  
TOTAL REQUIRED: 463 CY<sup>3</sup> EXPORT

## PAVING SPECIFICATIONS:

- ON-SITE SUBGRADE PREPARATION SHALL BE IN ACCORDANCE WITH THE CITY OF WATERFORD STANDARD SPECIFICATIONS AND THE REFERENCED SOILS REPORT. COORDINATE TESTING WITH GEOTECHNICAL ENGINEER.
- ON-SITE CLASS II AGGREGATE BASE SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 3.03 OF THE CITY OF WATERFORD STANDARD SPECIFICATIONS OR MATCH EXISTING, WHICHEVER IS GREATER AND WITH THE REFERENCED SOILS REPORT. SEE THE PAVING PLAN ON SHEET C8.
- ON-SITE ASPHALT CONCRETE SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 3.04 OF THE CITY OF WATERFORD STANDARD SPECIFICATIONS AND WITH THE REFERENCED SOILS REPORT. SEE PAVING INFORMATION ON SHEET C6.

## CONCRETE PAVING SPECIFICATIONS

- CONCRETE: PORTLAND CEMENT CONCRETE PAVING SHALL BE CLASS B AS DEFINED IN THE STATE OF CALIFORNIA STANDARDS, WITH A 28 DAY COMPRESSIVE STRENGTH OF 2,500 POUNDS PER SQUARE INCH AS A MINIMUM, AND A MAXIMUM SLUMP OF 3 INCHES. CONCRETE SHALL CONSIST OF A 5 SACK MIXTURE OF PORTLAND CEMENT, WATER AND AGGREGATE. PORTLAND CEMENT SHALL BE TYPE II. AGGREGATES SHALL BE WASHED BEFORE USE AND BE FREE FROM ANY FOREIGN MATTER.
- THE AGGREGATES SHALL BE GRADED TO PROVIDE A PLASTIC, WORKABLE MIXTURE OF MAXIMUM DENSITY WITH A MAXIMUM SIZE AGGREGATE OF 3/4 INCHES. THE WATER SHALL BE POTABLE AND NO ADMIXTURES SHALL BE USED WITHOUT APPROVAL OF THE ENGINEER. THE CEMENT, WATER AND AGGREGATES SHALL BE COMBINED AT THE BATCH PLANT AND BE THOROUGHLY MIXED. NO WATER SHALL BE ADDED TO THE MIXTURE AFTER LEAVING THE BATCH PLANT WITHOUT APPROVAL OF THE ENGINEER. ALL CONCRETE SHALL BE PLACED WITHIN 90 MINUTES AFTER THE INTRODUCTION OF WATER TO THE CEMENT. THE TEMPERATURE OF THE CONCRETE SHALL NOT BE LESS THAN 50° F, AND NOT MORE THAN 90° F.
- THE CONCRETE SHALL BE CONSOLIDATED BY VIBRATING CONCRETE WHICH HAS ROCK POCKETS OR HONEYCOMBING AFTER CURING SHALL BE REMOVED AND REPLACED.
- ALL CONCRETE SHALL BE CURED IN ACCORDANCE WITH SECTION 90-7.018 OF THE STATE OF CALIFORNIA STANDARDS.
- CONCRETE PAVING SECTIONS:
  - CONCRETE PAVING SHALL BE IN ACCORDANCE WITH THE SECTIONS ON SHEET C6.
  - SIDEWALK AREAS SHALL BE IN ACCORDANCE WITH THE SECTIONS ON SHEET C6.
  - CONCRETE PAVEMENT SHALL BE REINFORCED.
  - CRACK CONTROL JOINTS SHALL BE PLACED AT 15 FOOT MAXIMUM INTERVALS AND SHALL PENETRATE THE CONCRETE SLAB A MINIMUM OF 1/4 OF THE SLAB THICKNESS.

## STORM DRAIN SPECIFICATIONS:

- ALL STORM DRAIN LINES WITHIN CITY ROW SHALL BE DESIGNED & INSTALLED PER CITY OF WATERFORD STANDARD SPECIFICATIONS.
- H.D.P.E. PIPE AS SHOWN ON THE PLANS SHALL BE HIGH DENSITY POLYETHYLENE AND SHALL CONFORM TO SECTION 64 OF CALTRANS STANDARD SPECIFICATIONS FOR TYPE S CORRUGATED PIPE AS SPECIFIED IN AASHTO DESIGNATION: M294. JOINTS SHALL BE WATER-TIGHT AS DESCRIBED IN SECTION 61 OF THE CALTRANS STANDARD SPECIFICATIONS.
- REINFORCED CONCRETE PIPE (R.C.P.) SHOWN ON THE PLANS SHALL CONFORM TO SECTIONS 65-2.01D3, 65-2.02A, 65-2.03B, 65-2.02F, 65-2.03C, AND 65-1.09 OF THE CURRENT EDITION OF THE STANDARD SPECIFICATIONS OF THE STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION.
- POLYVINYL CHLORIDE PIPE (P.V.C.) - ASTM D-3034, SDR 35 WITH RUBBER SEALING RINGS MEETING ASTM D-3212 "JOINTS FOR DRAINS AND SEWER PIPES USING FLEXIBLE ELASTOMERIC SEALS" OR AN APPROVED EQUAL.
- AFTER PIPE HAS BEEN PROPERLY INSTALLED, THE INITIAL BACKFILL CONSISTING OF SELECT FINE EARTH FROM THE EXCAVATED MATERIAL, SHALL BE HAND-TAMPED IN 6" THICK LAYERS EXTENDING TO 12" OVER THE TOP OF THE PIPE. THE FINAL BACKFILL SHALL BE PLACED IN LAYERS AND COMPACTED TO A RELATIVE DENSITY OF AT LEAST 95% OR AS SPECIFIED IN THE GEOTECHNICAL SERVICES REPORT.
- THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF CHAPTER 9, SECTION 6705, 6706, AND 6707 OF THE STATE LABOR CODE.
- PRIOR TO BACKFILLING OF THE TRENCH, THE CONTRACTOR WILL NOTIFY THE ENGINEER THAT THE LINE IS READY FOR INSPECTION. IF TRENCH IS BACKFILLED BEFORE INSPECTION IS MADE, THE CONTRACTOR SHALL UNCOVER THE LINE AT INTERVALS AS DESIGNATED BY THE ENGINEER FOR HIS INSPECTION. COST FOR THIS UNCOVERING WILL BE BORNE BY THE CONTRACTOR.

## SANITARY SEWER SPECIFICATIONS

- PIPE SHALL BE P.V.C. - ASTM D-3034, SDR 26 WITH RUBBER SEALING RINGS MEETING ASTM D-3212 "JOINTS FOR DRAINS AND SEWER PIPES USING FLEXIBLE ELASTOMERIC SEALS" OR AN APPROVED EQUAL.
- SANITARY SEWER LATERALS: LATERALS TO BE INSTALLED AT LOCATIONS AS SHOWN ON PLANS OR AT LOCATIONS AS DETERMINED BY THE DEVELOPER. IF ADDITIONAL LATERALS ARE REQUIRED, ALL LATERALS TO BE STUBBED WITHIN 5' OF EXISTING AND/OR PROPOSED STRUCTURES AND PLUGGED UNTIL FUTURE CONNECTION IS MADE.
- AFTER PIPE HAS BEEN PROPERLY INSTALLED, THE INITIAL BACKFILL CONSISTING OF SELECT FINE EARTH FROM THE EXCAVATED MATERIAL, SHALL BE HAND-TAMPED IN 6" THICK LAYERS EXTENDING TO 12" OVER THE TOP OF THE PIPE. THE FINAL BACKFILL SHALL BE PLACED IN LAYERS AND COMPACTED TO A RELATIVE DENSITY OF AT LEAST 95% OR AS SPECIFIED IN THE GEOTECHNICAL SERVICES REPORT.
- THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF CHAPTER 9, SECTION 6705, 6706, AND 6707 OF THE STATE LABOR CODE.
- PRIOR TO BACKFILLING OF THE TRENCH, THE CONTRACTOR SHALL NOTIFY THE ENGINEER THAT THE LINE IS READY FOR INSPECTION. IF TRENCH IS BACKFILLED BEFORE INSPECTION IS MADE, THE CONTRACTOR SHALL UNCOVER THE LINE AT INTERVALS AS DESIGNATED BY THE ENGINEER FOR HIS INSPECTION. COST FOR THIS UNCOVERING SHALL BE BORNE BY THE CONTRACTOR.

## WATER NOTES

- ALL P.V.C. WATERLINES SHOWN LESS THAN 6", SHALL BE PVC SCHEDULE 40, CONFORMING TO THE LATEST EDITION OF THE UNIFORM PLUMBING CODE AND THE REQUIREMENTS OF THE CITY OF WATERFORD BUILDING DEPARTMENT.
- ALL WATER MAINS 6" AND LARGER SHALL BE P.V.C CLASS 150, CONFORMING TO AWWA C-900, DUCTILE IRON FITTINGS INCLUDING TEES, CROSSES, CAPS, ETC. SHALL BE FLANGE, MECHANICAL JOINT OR COMBINATION THEREOF. MECHANICAL JOINT COUPLINGS SHALL CONFORM TO ANSI A21.10 (AWWA C110-77). ALL COUPLINGS SHALL BE CEMENT MORTAR LINED IN ACCORDANCE WITH AWWA C104-80, AND SHALL BE FURNISHED WITH RUBBER RING SEAL JOINTS DESIGNED TO BE USED WITH CLASS 150 PVC PIPE, C900.
- CONTRACTOR SHALL VERIFY ELEVATION OF EXISTING WATERLINES BEFORE BEGINNING CONSTRUCTION.
- WATER SERVICES TO BE INSTALLED AS SHOWN ON PLAN, OR AT LOCATIONS AS DETERMINED BY THE DEVELOPER. IF ADDITIONAL SERVICES ARE REQUIRED, ALL SERVICES TO BE STUBBED WITHIN 5' OF EXISTING AND/OR PROPOSED STRUCTURES AND PLUGGED UNTIL FUTURE CONNECTION IS MADE.
- ALL WATERLINES TO BE INSTALLED WITH 42" MINIMUM COVER FROM FINISH GRADE (UNLESS OTHERWISE NOTED).
- INSPECTION OF PIPELINES AND THRUST BLOCK INSTALLATIONS BY THE FIRE MARSHAL IS REQUIRED PRIOR TO THE BACKFILLING OF THE PIPELINE TRENCH.
- THE FIRE SUPPRESSION SYSTEM SHALL BE PRESSURE TESTED TO 200 P.S.I. FOR TWO (2) HOURS IN THE PRESENCE OF A REPRESENTATIVE OF THE FIRE PREVENTION BUREAU.
- ON SITE WATER PIPING SHALL BE CHLORINATED AND TESTED IN ACCORDANCE WITH THE CITY OF WATERFORD STANDARD SPECIFICATION AND THE TEST RESULTS SHALL BE APPROVED BY THE CITY OF WATERFORD PRIOR TO THE CONNECTION TO THE CITY SYSTEM.

## CALL BEFORE YOU DIG

- BEFORE PLANTING TREES, TRENCHING, POST HOLE, BLASTING, GRADING, EXCAVATING, BORING, DRILLING, ETC. CALL UNDERGROUND SERVICE ALERT FOR UNDERGROUND CLEARANCE. THEY WILL LOCATE AND MARK UNDERGROUND FACILITIES, OR PROVIDE THE NECESSARY LOCATION INFORMATION TO YOU.

## MONUMENT PRESERVATION

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PRESERVATION OF ALL SURVEY MONUMENTATION AND REFERENCE POINTS WHICH MAY BE LOST OR DISTURBED AS A RESULT OF THE WORK.
- THE CONTRACTOR SHALL EMPLOY A LICENSED SURVEYOR TO SET TIES TO ANY MONUMENT THAT MAY BE DISTURBED OR LOST DURING THE COURSE OF THE WORK. SUCH TIES SHALL BE SET IN LOCATION THAT WILL NOT OTHERWISE BE DISTURBED.
- THE CONTRACTOR SHALL BEAR ALL COSTS OF SURVEY, RE-SURVEY, REFERENCE TIES, REPLACEMENT CORNERS, CORNER RECORDS, MAPPING, CHECKING AND RECORDING FEES WHICH MAY BE REQUIRED AS A RESULT OF LOSS OR DISTURBANCE OF MONUMENTATION WHICH MAY OCCUR DURING THE COURSE OF THE WORK.

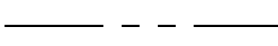
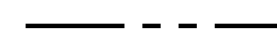
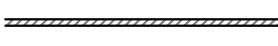

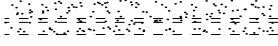
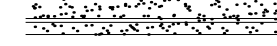
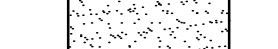
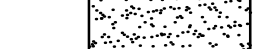




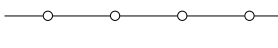
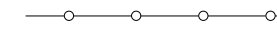

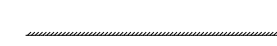





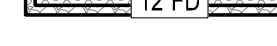
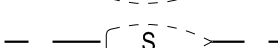

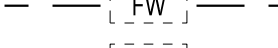
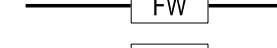
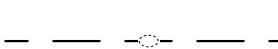
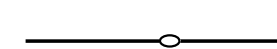


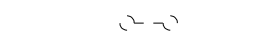
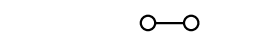
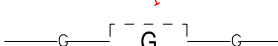
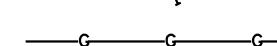
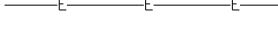

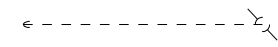
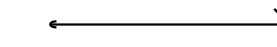

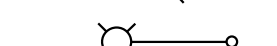

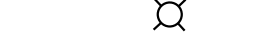

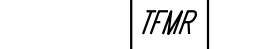
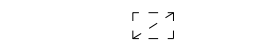



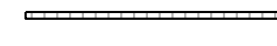
























## BASIS OF BEARING

BASIS OF BEARING IS N89°44'45"E FOR THE NORTH LINE OF SECTION 33 AS SHOWN ON THAT CERTAIN MAP RECORDED AUGUST 5, 1968 IN BOOK 5 OF P/M, AT PAGES 128, STANISLAUS COUNTY RECORDS

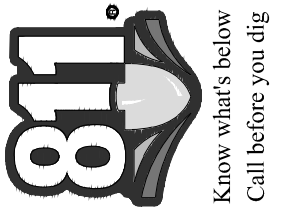
## ABBREVIATION LIST

±	PLUS OR MINUS	MIN	MINIMUM
AB	AGGREGATE BASE	NTS	NOT TO SCALE
AC	ASPHALT CONCRETE	P	PAVEMENT
ARV	AIR RELEASE VALVE	P	PROPERTY LINE
BC	BEGINNING OF CURVE	P	PANEL
BDRY	BOUNDARY	POB	POINT OF BEGINNING
BM	BENCHMARK	PRC	POINT OF REVERSE CURVE
BO	BLOW-OFF	PUE	PUBLIC UTILITY EASEMENT
BSL	BUILDING SETBACK LINE	PVC	POLYVINYL CHLORIDE PIPE
BW	BACK OF WALK	PVMT	PAVEMENT
C	CONCRETE	RCP	REINFORCED CONCRETE PIPE
CB	CATCH BASIN	RD	RELATIVE DENSITY
CO	CLEANOUT	RET	RETURN
CL	CENTERLINE	ROW	RIGHT OF WAY
CONC	CONCRETE	RW	RIGHT OF WAY
CR	CROWN OF ROAD	SW	SWALE
CY	CUBIC YARD	SS	SANITARY SEWER
SD	STORM DRAIN	SD	STORM DRAIN
DIP	DUCTILE IRON PIPE	SHT	SHEET
DW	DOMESTIC WATER	SNS	STREET NAME SIGN
EC	END OF CURVE	SP	STANDPIPE
ELEV	ELEVATION	STA	STATION
EP	EDGE OF PAVEMENT	STD	STANDARD
ER	END OF RETURN	TBM	TEMPORARY BENCH MARK
ESMT	EASEMENT	TC	TOP OF CURB
EX	EXISTING	TEMP	TEMPORARY
FF	FINISH FLOOR	THRU	THROUGH
FH	FIRE HYDRANT	TPE	TREE PLANTING EASEMENT
FL	FLOWLINE	VC	VERTICAL CURVE
FS	FIRE SPINKLER (PIPE)	VCP	VITRIFIED CLAY PIPE
GB	GRADE BREAK	VERT	VERTICAL
HORIZ	HORIZONTAL	W	WATER OR WEST
HP	HIGH POINT	W	WATER OR WEST
IW	INDUSTRIAL WASTE	BOC	BACK OF CURB
INV	INVERT	U.N.O.	UNLESS NOTED OTHERWISE
IRR	IRRIGATION	UP	UTILITY POLE
LF	LINEAL FEET	UPRR	UNION PACIFIC RAILROAD
MH	MANHOLE	TYP	TYPICAL

## LEGEND

	EXISTING	PROPOSED
RIGHT OF WAY		
PROPERTY LINE		
BUILDING		
CURB, GUTTER & SIDEWALK		
AREA OF CONCRETE		
AREA OF ASPHALT		
WROUGHT IRON FENCE		
CHAIN LINK FENCE		
MOW STRIP		
SAWCUT		
GRADE BREAK		
STORM DRAIN MANHOLE		
DRAIN INLET		
FRENCH DRAIN		
STORM DRAIN LINE		
SANITARY SEWER LINE		
FIRE WATER LINE		
DOMESTIC WATER LINE		
CLEANOUT (SS OR SD)		
SANITARY SEWER MANHOLE		
WATER VALVE		
WATER BACKFLOW PREVENTION DEVICE		
FIRE HYDRANT		
GAS LINE		
UNDERGROUND ELECTRICAL LINE		
OVERHEAD UTILITY LINE		
UTILITY POLE W/ GUY WIRE		
UTILITY POLE		
STREET LIGHT		
SITE LIGHT		
ELECTRICAL TRANSFORMER		
UTILITY BOX		
BOLLARD		
EXISTING SIGN		
MASONRY WALL		
EXISTING TREE		
REMOVE EXISTING TREE		

RODRICK H. HAWKINS  
RCE 50188, PLS 9489



BY: MVP  
CHK: R. HAWKINS  
DATE: 2023/11/13

**HAWKINS & ASSOCIATES  
ENGINEERING, INC.**  
436 MITCHELL ROAD  
MODESTO, CA. 95354  
PH: (209) 575-4295  
FX: (209) 578-4295



**GENERAL NOTES  
& SPECIFICATIONS SHEET**  
ON-SITE IMPROVEMENT PLANS FOR:  
**WATERFORM MINI STORAGE**  
A.P.N. 080-035-008  
WATERFORD, CALIFORNIA



DATE:

SHEET

C2

OF

11

**BENCHMARK**

**BENCHMARK NOTES**

DESCRIPTION: A SURVEY DISK ENCASED IN PVC PIPE WITH ACCESS COVER SET IN CONCRETE FLUSH WITH THE GROUND, LOCATED 40.6 FEET SOUTH OF THE CENTERLINE OF HIGHWAY 132.  
 DATUM: NAVD 88  
 ELEVATION: 152.00

**ON-SITE BENCHMARK NOTES:**

DESCRIPTION: CMAG IN PAVEMENT 11" FROM EDGE OF PAVEMENT ON E STREET, SHOWN AS   
 ELEVATION: 172.54

**BASIS OF BEARING**

BASIS OF BEARING IS N89°44'45"E FOR THE NORTH LINE OF SECTION 33 AS SHOWN ON THAT CERTAIN MAP RECORDED AUGUST 5, 1968 IN BOOK 5 OF P/M, AT PAGES 128, STANISLAUS COUNTY RECORDS

**CAUTION: UTILITY LOCATION NOTES**

- EXISTING UNDERGROUND UTILITIES ARE SHOWN AS THEY ARE BELIEVED TO EXIST. THE LOCATIONS SHOWN ARE BASED ON RECORD INFORMATION, PROVIDED BY OTHERS, AND BY FIELD LOCATION OF SURFACE FEATURES. THIS INFORMATION IS PROVIDED ONLY AS AN AID TO THE CONTRACTOR. THEREFORE, THE OWNER AND ENGINEER CANNOT ACCEPT RESPONSIBILITY FOR THE LOCATION AND/OR DESIGNATION OF EXISTING UNDERGROUND FACILITIES. PRIOR TO COMMENCING WORK THE CONTRACTOR SHALL HAVE EACH UTILITY COMPANY ACCURATELY LOCATE IN THE FIELD THEIR MAINS AND SERVICE LINES. CONTRACTOR SHALL VERIFY LOCATION (BOTH VERTICAL AND HORIZONTAL) OF ALL EXISTING UNDERGROUND FACILITIES AND NOTIFY ENGINEER OF ANY DISCREPANCIES OR CONFLICTS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT ALL EXISTING UTILITIES, SO THAT NO DAMAGE RESULTS TO THEM DURING THE PERFORMANCE OF HIS WORK. AT LEAST 48 HOURS PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL CONTACT U.S.A. AT 1-800-227-2600, TEST LINE OF TEXT
- SECTION 1540 (A) (1) OF THE CONSTRUCTION SAFETY ORDERS (TITLE 8 CALIFORNIA ADMINISTRATION CODE SECTION 1540) ISSUED BY THE OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD PURSUANT TO THE CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH ACT OF 1973, AS AMENDED, STATES: "PRIOR TO OPENING AN EXCAVATION, EFFORT SHALL BE MADE TO DETERMINE WHETHER UNDERGROUND INSTALLATIONS, I.E. SEWER, WATER, FUEL, ELECTRIC LINES, ETC. WILL BE ENCOUNTERED AND IF SO, WHERE SUCH UNDERGROUND INSTALLATIONS ARE LOCATED. WHEN EXCAVATION APPROACHES THE APPROXIMATE LOCATION OF SUCH AN INSTALLATION, THE EXACT LOCATION SHALL BE DETERMINED BY CAREFUL PROBING OR HAND DIGGING AND WHEN IT IS UNCOVERED, ADEQUATE PROTECTION SHALL BE PROVIDED FOR THE INSTALLATION. ALL KNOWN OWNERS OF UNDERGROUND FACILITIES IN THE AREA CONCERNED SHALL BE ADVISED OF PROPOSED WORK AT LEAST 48 HOURS PRIOR TO THE START OF ACTUAL EXCAVATION."

**CONSTRUCTION STAKING LIABILITY WAIVER**

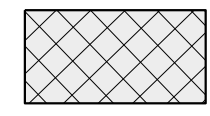
1. THESE IMPROVEMENT PLANS HAVE BEEN PREPARED WITH THE INTENT THAT THE FIRM OF HAWKINS & ASSOCIATES ENGINEERING, INC. WILL PERFORM THE CONSTRUCTION STAKING FOR THE COMPLETE PROJECT. IF, HOWEVER, ANOTHER ENGINEERING AND/OR SURVEYING FIRM SHOULD BE EMPLOYED TO USE THESE PLANS FOR THE PURPOSE OF CONSTRUCTION STAKING, NOTICE IS HEREBY GIVEN THAT THE FIRM OF HAWKINS & ASSOCIATES ENGINEERING, INC. WILL NOT ASSUME ANY RESPONSIBILITY FOR ERRORS OR OMISSIONS, IF ANY, WHICH MIGHT OCCUR AND WHICH COULD HAVE BEEN AVOIDED, CORRECTED OR MITIGATED IF HAWKINS AND ASSOCIATES ENGINEERING, INC. HAD PERFORMED THE STAKING.

**CALL BEFORE YOU DIG**

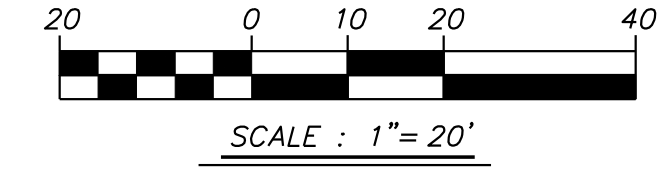
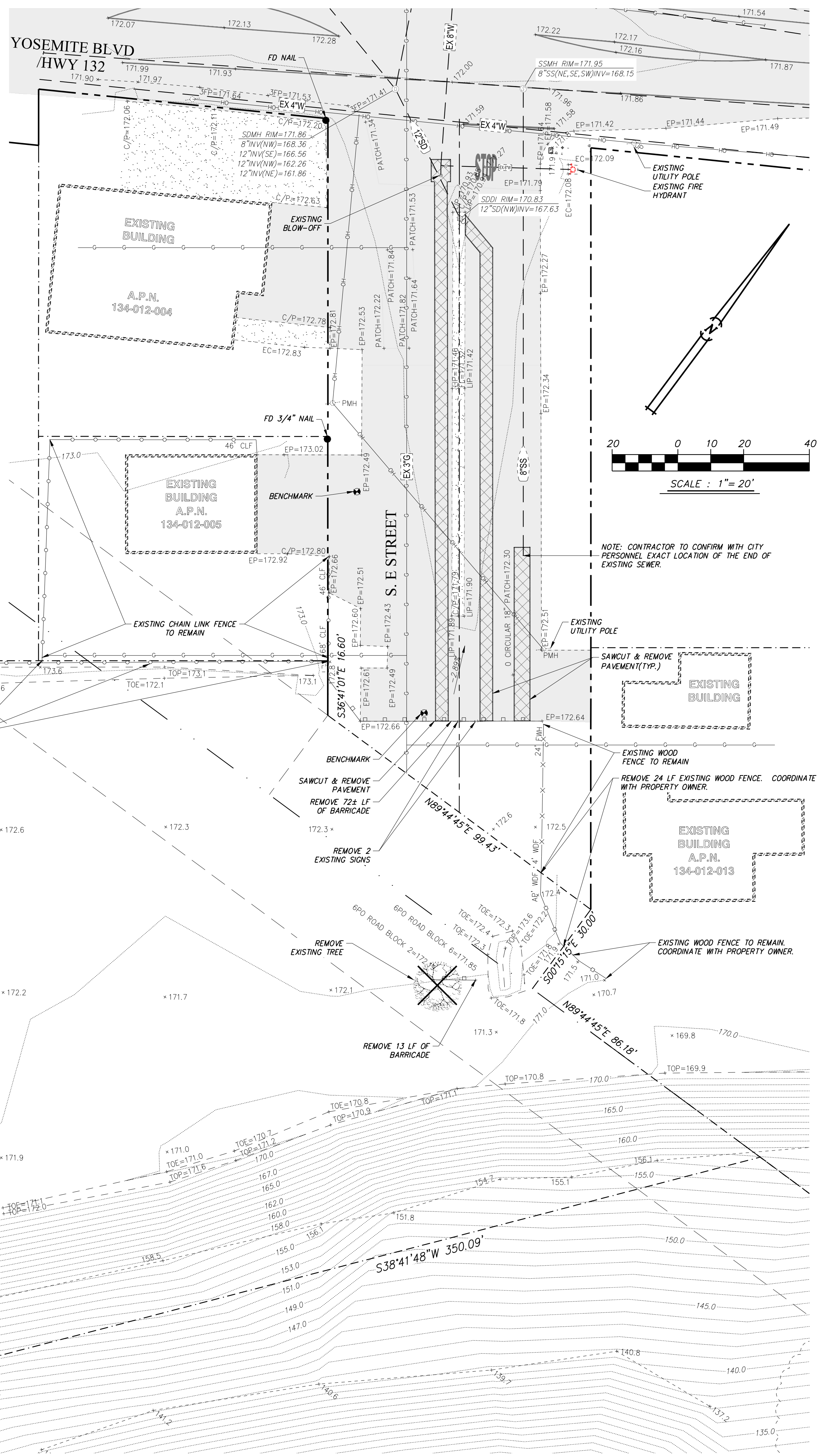
- BEFORE PLANTING TREES, TRENCHING, POST HOLE, BLASTING, GRADING, EXCAVATING, BORING, DRILLING, ETC. CALL UNDERGROUND SERVICE ALERT FOR UNDERGROUND CLEARANCE. THEY WILL LOCATE AND MARK UNDERGROUND FACILITIES, OR PROVIDE THE NECESSARY LOCATION INFORMATION TO YOU.

**MONUMENT PRESERVATION**

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PRESERVATION OF ALL SURVEY MONUMENTATION AND REFERENCE POINTS WHICH MAY BE LOST OR DISTURBED AS A RESULT OF THE WORK.
- PRIOR TO THE START OF CONSTRUCTION THE CONTRACTOR SHALL VERIFY THE LOCATION OF MONUMENTATION WHICH MAY BE DISTURBED. HE SHALL BE RESPONSIBLE FOR THE PRESERVATION OR REPLACEMENT OF ALL SUCH MONUMENTATION IN COMPLIANCE WITH 8771 OF THE BUSINESS AND PROFESSIONS CODE AND SECTIONS 732.5, 1492.5 AND 1810.5 OF THE CALIFORNIA STREETS AND HIGHWAY CODE.
- THE CONTRACTOR SHALL EMPLOY A LICENSED SURVEYOR TO SET TIES TO ANY MONUMENT THAT MAY BE DISTURBED OR LOST DURING THE COURSE OF THE WORK. SUCH TIES SHALL BE SET IN LOCATION THAT WILL NOT OTHERWISE BE DISTURBED.
- THE CONTRACTOR SHALL BEAR ALL COSTS OF SURVEY, RE-SURVEY, REFERENCE TIES, REPLACEMENT CORNERS, CORNER RECORDS, MAPPING, CHECKING AND RECORDING FEES WHICH MAY BE REQUIRED AS A RESULT OF LOSS OR DISTURBANCE OF MONUMENTATION WHICH MAY OCCUR DURING THE COURSE OF THE WORK.



EXISTING AC PAVEMENT  
 DEMOLISH AND REMOVE EXISTING AC PAVEMENT APPROXIMATELY 1.571± SQ. FT.

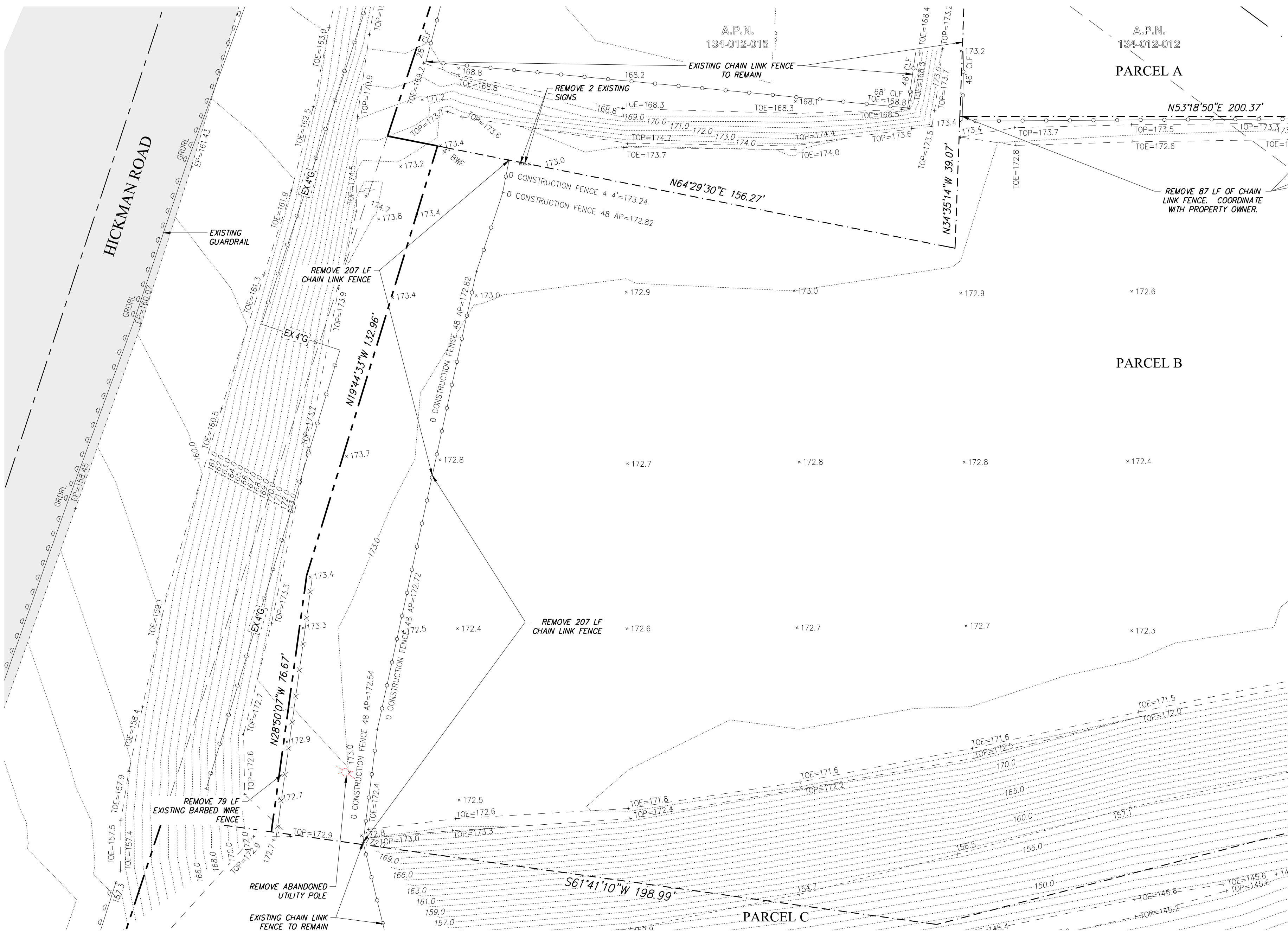


NOTE: CONTRACTOR TO CONFIRM WITH CITY PERSONNEL EXACT LOCATION OF THE END OF EXISTING SEWER.

SAWCUT & REMOVE PAVEMENT (TYP.)

REMOVE 24 LF EXISTING WOOD FENCE. COORDINATE WITH PROPERTY OWNER.

EXISTING WOOD FENCE TO REMAIN. COORDINATE WITH PROPERTY OWNER.



SYM.	DATE	DESCRIPTION OF REVISION	APPD.

BY: MVP  
 CHK: R. HAWKINS  
 DATE: 2023/11/13

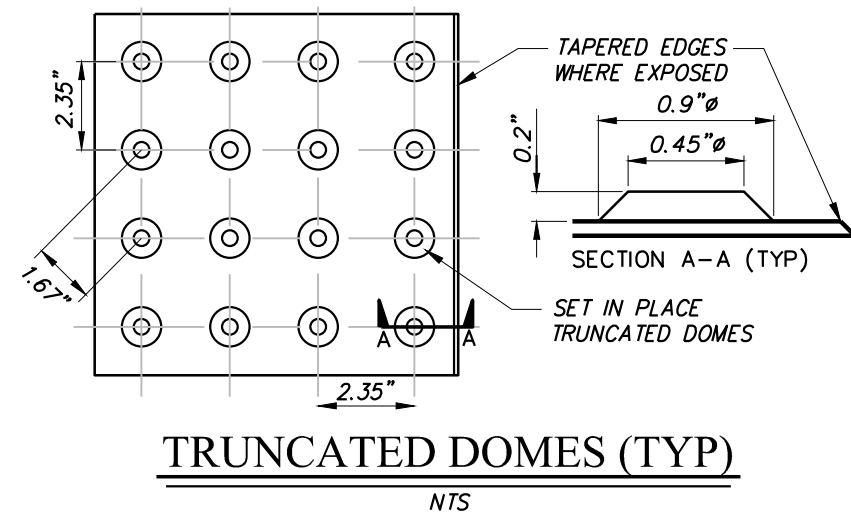
**HAWKINS & ASSOCIATES ENGINEERING, INC.**  
 436 MITCHELL ROAD  
 MODESTO, CA. 95354  
 PH: (209) 575-4295  
 FX: (209) 578-4295



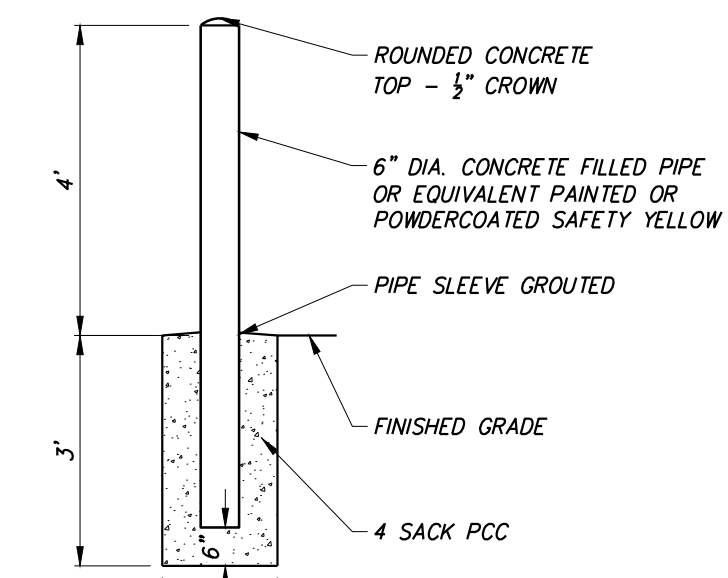
**EXISTING TOPOGRAPHY & DEMOLITION PLAN**  
 ON-SITE IMPROVEMENT PLANS FOR:  
**WATERFORM MINI STORAGE**  
 A.P.N. 080-035-008  
 WATERFORD, CALIFORNIA

DATE: \_\_\_\_\_

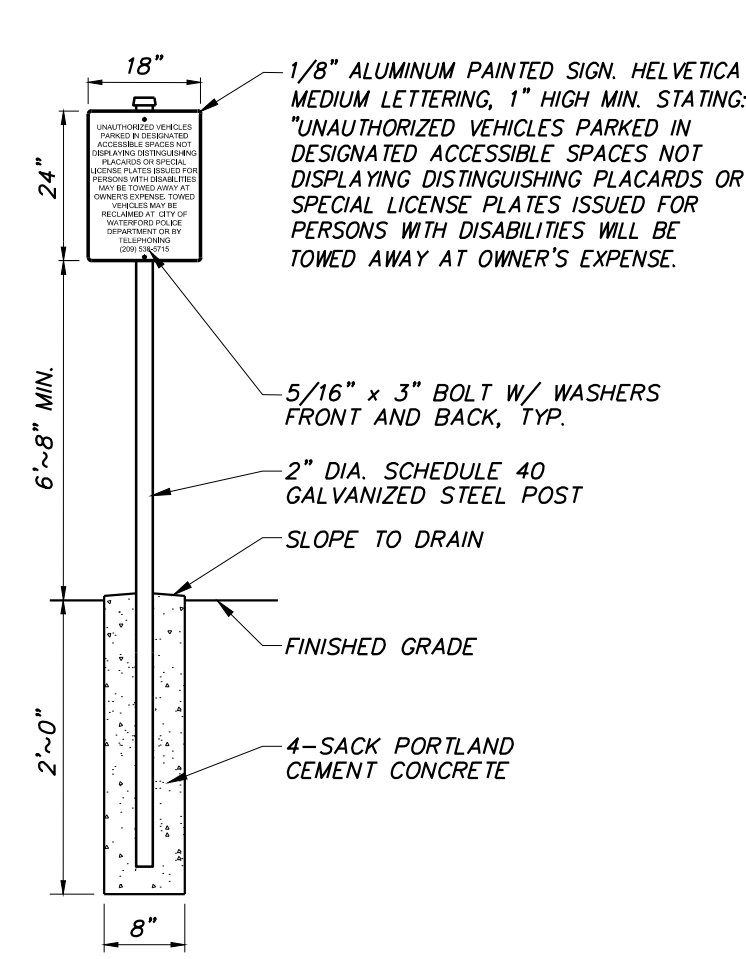
SHEET **C3**  
 OF  
**11**



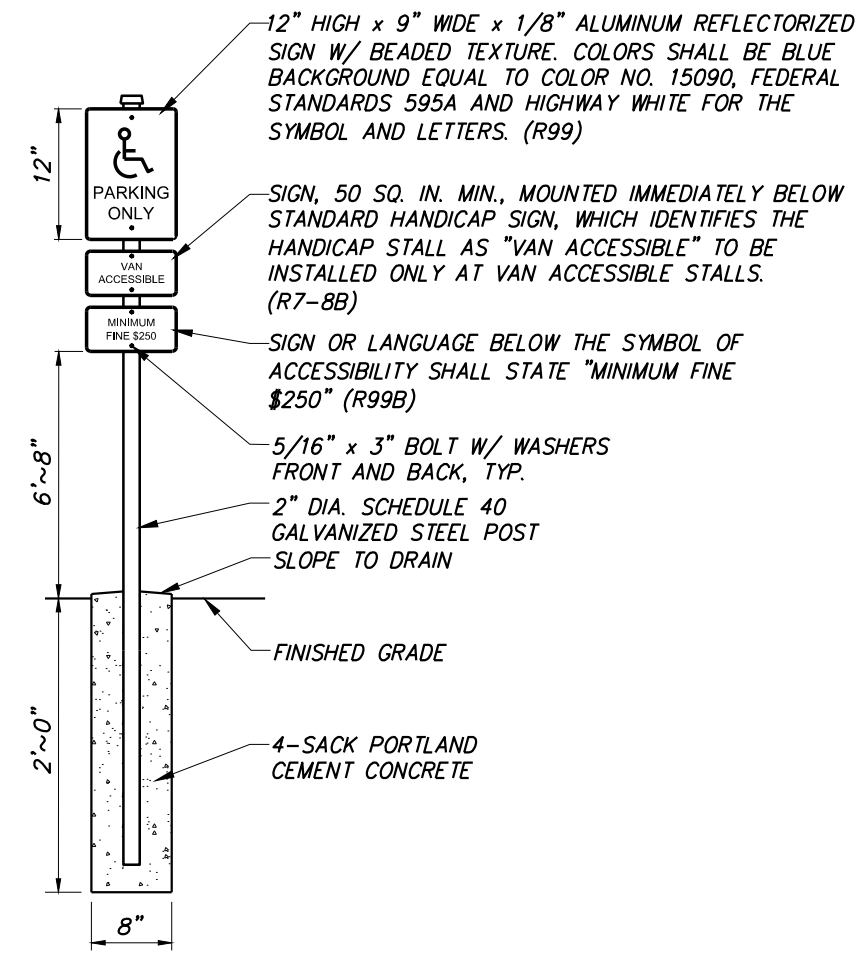
**TRUNCATED DOMES (TYP)**  
NTS



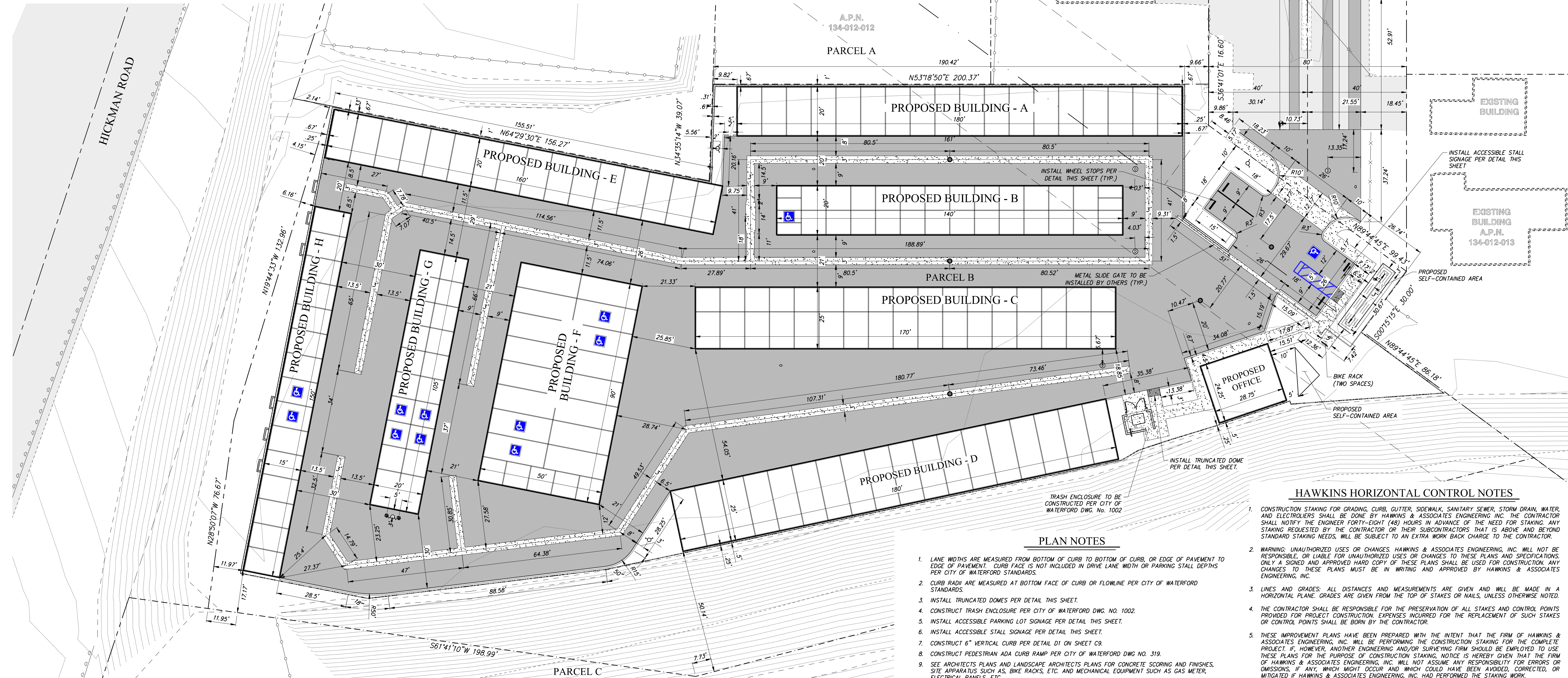
**BOLLARD DETAIL**  
NTS



**ACCESSIBLE PARKING LOT ENTRANCE SIGNAGE**  
NTS



**ACCESSIBLE STALL SIGNAGE**  
NTS



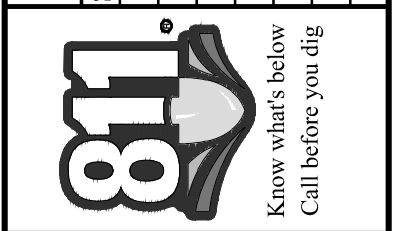
**PLAN NOTES**

- LANE WIDTHS ARE MEASURED FROM BOTTOM OF CURB TO BOTTOM OF CURB, OR EDGE OF PAVEMENT TO EDGE OF PAVEMENT. CURB FACE IS NOT INCLUDED IN DRIVE LANE WIDTH OR PARKING STALL DEPTHS PER CITY OF WATERFORD STANDARDS.
- CURB RADI ARE MEASURED AT BOTTOM FACE OF CURB OR FLOWLINE PER CITY OF WATERFORD STANDARDS.
- INSTALL TRUNCATED DOMES PER DETAIL THIS SHEET.
- CONSTRUCT TRASH ENCLOSURE PER CITY OF WATERFORD DWG. NO. 1002.
- INSTALL ACCESSIBLE PARKING LOT SIGNAGE PER DETAIL THIS SHEET.
- INSTALL ACCESSIBLE STALL SIGNAGE PER DETAIL THIS SHEET.
- CONSTRUCT 6" VERTICAL CURB PER DETAIL D1 ON SHEET C9.
- CONSTRUCT PEDESTRIAN ADA CURB RAMP PER CITY OF WATERFORD DWG NO. 319.
- SEE ARCHITECTS PLANS AND LANDSCAPE ARCHITECTS PLANS FOR CONCRETE SCORING AND FINISHES, SITE APPARATUS SUCH AS, BIKE RACKS, ETC. AND MECHANICAL EQUIPMENT SUCH AS GAS METER, ELECTRICAL PANELS, ETC.

**HAWKINS HORIZONTAL CONTROL NOTES**

- CONSTRUCTION STAKING FOR GRADING, CURB, GUTTER, SIDEWALK, SANITARY SEWER, STORM DRAIN, WATER, AND ELECTRICIERS SHALL BE DONE BY HAWKINS & ASSOCIATES ENGINEERING, INC. THE CONTRACTOR SHALL NOTIFY THE ENGINEER FORTY-EIGHT (48) HOURS IN ADVANCE OF THE NEED FOR STAKING. ANY STAKING REQUESTED BY THE CONTRACTOR OR THEIR SUBCONTRACTORS THAT IS ABOVE AND BEYOND STANDARD STAKING NEEDS, WILL BE SUBJECT TO AN EXTRA WORK BACK CHARGE TO THE CONTRACTOR.
- WARNING: UNAUTHORIZED USES OR CHANGES, HAWKINS & ASSOCIATES ENGINEERING, INC. WILL NOT BE RESPONSIBLE OR LIABLE FOR UNAUTHORIZED USES OR CHANGES TO THESE PLANS AND SPECIFICATIONS. ONLY A SIGNED AND APPROVED HARD COPY OF THESE PLANS SHALL BE USED FOR CONSTRUCTION. ANY CHANGES TO THESE PLANS MUST BE IN WRITING AND APPROVED BY HAWKINS & ASSOCIATES ENGINEERING, INC.
- LINE AND GRADES: ALL DISTANCES AND MEASUREMENTS ARE GIVEN AND WILL BE MADE IN A HORIZONTAL PLANE. GRADES ARE GIVEN FROM THE TOP OF STAKES OR NAILS, UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PRESERVATION OF ALL STAKES AND CONTROL POINTS PROVIDED FOR PROJECT CONSTRUCTION. EXPENSES INCURRED FOR THE REPLACEMENT OF SUCH STAKES OR CONTROL POINTS SHALL BE BORN BY THE CONTRACTOR.
- THESE IMPROVEMENT PLANS HAVE BEEN PREPARED WITH THE INTENT THAT THE FIRM OF HAWKINS & ASSOCIATES ENGINEERING, INC. WILL BE PERFORMING THE CONSTRUCTION STAKING FOR THE COMPLETE PROJECT. IF, HOWEVER, ANOTHER ENGINEERING AND/OR SURVEYING FIRM SHOULD BE EMPLOYED TO USE THESE PLANS FOR THE PURPOSE OF CONSTRUCTION STAKING, NOTICE IS HEREBY GIVEN THAT THE FIRM OF HAWKINS & ASSOCIATES ENGINEERING, INC. WILL NOT ASSUME ANY RESPONSIBILITY FOR ERRORS OR OMISSIONS, IF ANY, WHICH MIGHT OCCUR AND WHICH COULD HAVE BEEN AVOIDED, CORRECTED, OR MITIGATED IF HAWKINS & ASSOCIATES ENGINEERING, INC. HAD PERFORMED THE STAKING WORK.

SYM.	DATE	DESCRIPTION OF REVISION	APPD.

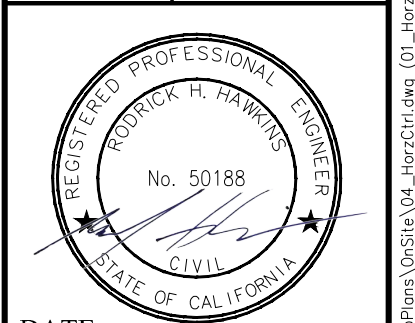


BY: MVP  
CHK: R. HAWKINS  
DATE: 2023/11/13

**HAWKINS & ASSOCIATES ENGINEERING, INC.**  
436 MITCHELL ROAD  
MODESTO, CA. 95354  
PH: (209) 575-4295  
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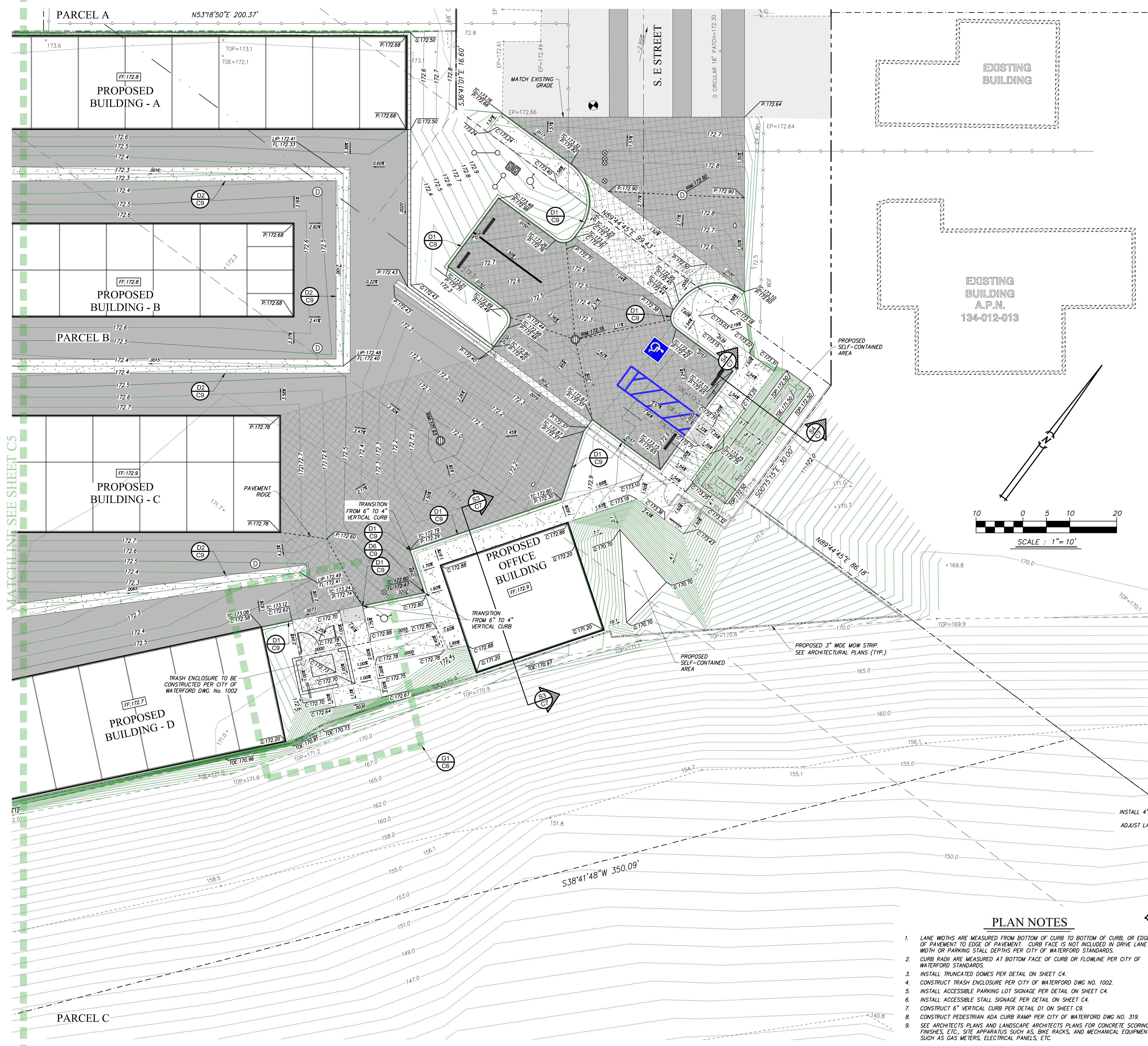


**HORIZONTAL CONTROL PLAN**  
ON-SITE IMPROVEMENT PLANS FOR:  
**WATERFORM MINI STORAGE**  
A.P.N. 080-035-008  
WATERFORD, CALIFORNIA



DATE: SHEET **C4** OF 11





### HAWKINS GRADING NOTES

- ALL CONSTRUCTION SHOWN IN THESE PLANS SHALL CONFORM TO THE 2022 STATE OF CALIFORNIA BUILDING CODE. AFTER CLEARING THE SITE AND DISKING, THE EXPOSED SOIL SURFACE SHOULD BE SCARIFIED A MINIMUM DEPTH OF 12" MOISTURE CONDITIONED 2% OVER OPTIMUM AND RE-COMPACTED TO 90% IN THE BUILDING AREAS AND 95% IN AREAS TO BE COVERED WITH ASPHALT PAVING. THESE PERCENTAGES REFER TO THE MAXIMUM DRY DENSITY AS OBTAINED BY ASTM D-1557-78 TEST PROCEDURE. SEE GEOTECHNICAL REPORT BY NORTH AMERICAN TECHNICAL SERVICES, INC. ENTITLED "PRELIMINARY GEOTECHNICAL INVESTIGATION PROPOSED WATERFORD MINI STORAGE BETWEEN HICKMAN ROAD & SOUTH E STREET (APN: 080-035-008)" DATED MAY 16, 2022, NATS JOB NO.: 22-5476 FOR ADDITIONAL RECOMMENDATIONS.
- GENERAL CONTRACTOR SHALL COORDINATE WORK OF GRADING CONTRACTOR AND LANDSCAPE CONTRACTOR WITH RESPECT TO FINISH GRADING IN PLANTING AREAS. GRADING CONTRACTOR SHALL STOCKPILE APPROPRIATE YARDAGE FROM SITE PREPARATION FOR THIS USE. EXACT AMOUNT SHALL BE DETERMINED BY LANDSCAPE CONTRACTOR. THE DIRT STOCKPILE SHALL BE FREE FROM GRASS, WEEDS, AND OTHER DEBRIS. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FINAL PLACEMENT AND GRADING IN MOUND AREAS.
- COMPACTION TESTS: PAVING CONTRACTOR TO PROVIDE COMPACTION TESTS IN PAVED AREAS AS REQUIRED BY THE DEVELOPER, AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR TO PROVIDE COMPACTION PAD FOR THE BUILDING GRADED AT ELEVATIONS SHOWN ON THIS GRADING PLAN.
- THE INTENT OF THESE NUMBERS ARE TO AID THE CONTRACTOR IN DETERMINING THE QUANTITIES OF DIRT TO BE MOVED. THE CUT AND FILL QUANTITIES SHOWN HEREON INDICATE A THEORETICAL YARDAGE FIGURE AND ARE GIVEN ONLY AS A CONVENIENCE TO THE CONTRACTOR. THESE EARTHWORK QUANTITIES ARE BASED ON THE FULL SITE DEVELOPMENT UTILIZING THE ASPHALT PAVEMENT SECTION OPTIONS AND INCLUDE TRENCH DRAIN AND PROCKILL SPILLS.
 

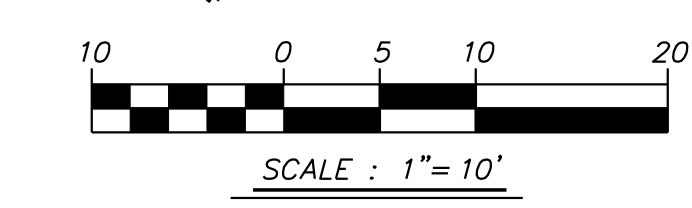
GRADING CUT REQUIRED:	1,513 CY <sup>3</sup>
GRADING FILL REQUIRED:	1,050 CY <sup>3</sup> (20% COMPACTION INCLUDED)
EXPORT REQUIRED:	463 CY <sup>3</sup>

### ASPHALT PAVING SPECIFICATIONS

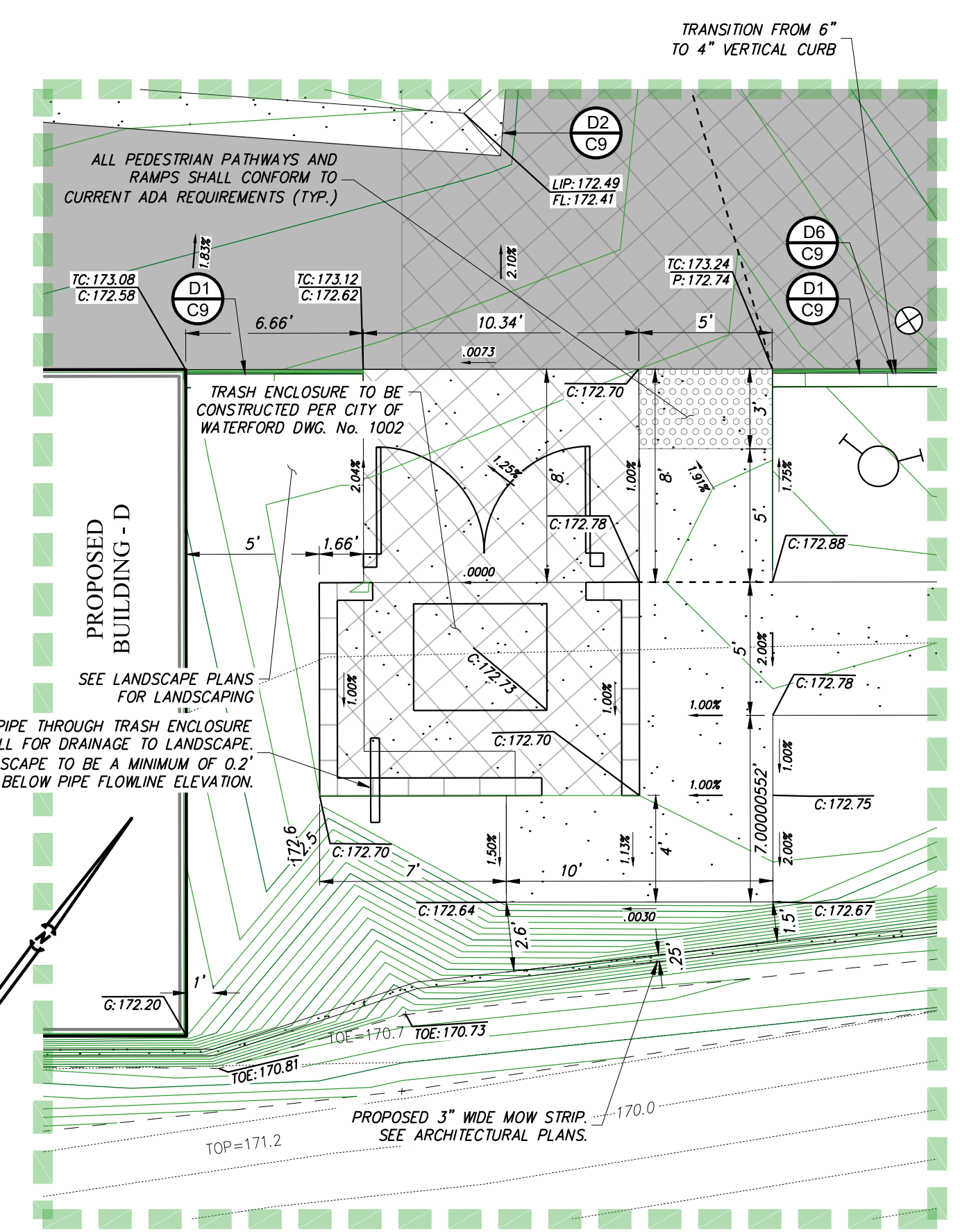
- SUBGRADE PREPARATION SHALL BE IN ACCORDANCE WITH GEOTECHNICAL REPORT BY NORTH AMERICAN TECHNICAL SERVICES, INC. ENTITLED "PRELIMINARY GEOTECHNICAL INVESTIGATION PROPOSED WATERFORD MINI STORAGE BETWEEN HICKMAN ROAD & SOUTH E STREET (APN: 080-035-008)" DATED MAY 16, 2022, NATS JOB NO.: 22-5476.
- THE AGGREGATE BASE (CLASS 2, 3/4" MAXIMUM) SHALL COMPLY WITH SECTION 26 OF THE CALTRANS STANDARD SPECIFICATIONS. AGGREGATE BASE SHALL BE COMPACTED TO A MINIMUM OF 95 PERCENT RELATIVE COMPACTION AS TESTED BY ASTM D1557 OR CALIFORNIA TEST METHOD CT 216 (DRY METHOD) TEST PROCEDURE.
- THE FLEXIBLE PAVEMENT SHALL CONFORM TO, AND BE PLACED IN ACCORDANCE WITH SECTION 39 OF THE CALTRANS STANDARD SPECIFICATIONS, USING THE STANDARD PLACEMENT METHOD (SUBSECTION 39-2). A 1/2" HMA, TYPE A, UTILIZING A PG 70-10 BINDER, SHALL BE USED. THE AGGREGATE BASE (CLASS 2, 3/4" MAXIMUM) SHALL COMPLY WITH SECTION 26 OF THE CALTRANS STANDARD SPECIFICATIONS. AGGREGATE BASE SHALL BE COMPACTED TO A MINIMUM OF 95 PERCENT RELATIVE COMPACTION AS TESTED BY ASTM D1557 OR CALIFORNIA TEST METHOD CT 216 (DRY METHOD) TEST PROCEDURE. THE UPPER 6 INCHES OF SUBGRADE SHALL BE UNIFORMLY MOISTURE CONDITIONED TO OPTIMUM AND COMPACTED TO 90% OF THE MAXIMUM DRY DENSITY AS TESTED BY ASTM D1557.
- ALL MANHOLE, LAMPPOLE, AND WATER VALVE CASTINGS AND COVERS SHALL BE ADJUSTED TO FINISH GRADE BY THE PAVING CONTRACTOR AFTER IMPROVEMENTS ARE COMPLETED OR UNLESS OTHERWISE NOTED.

### LEGEND

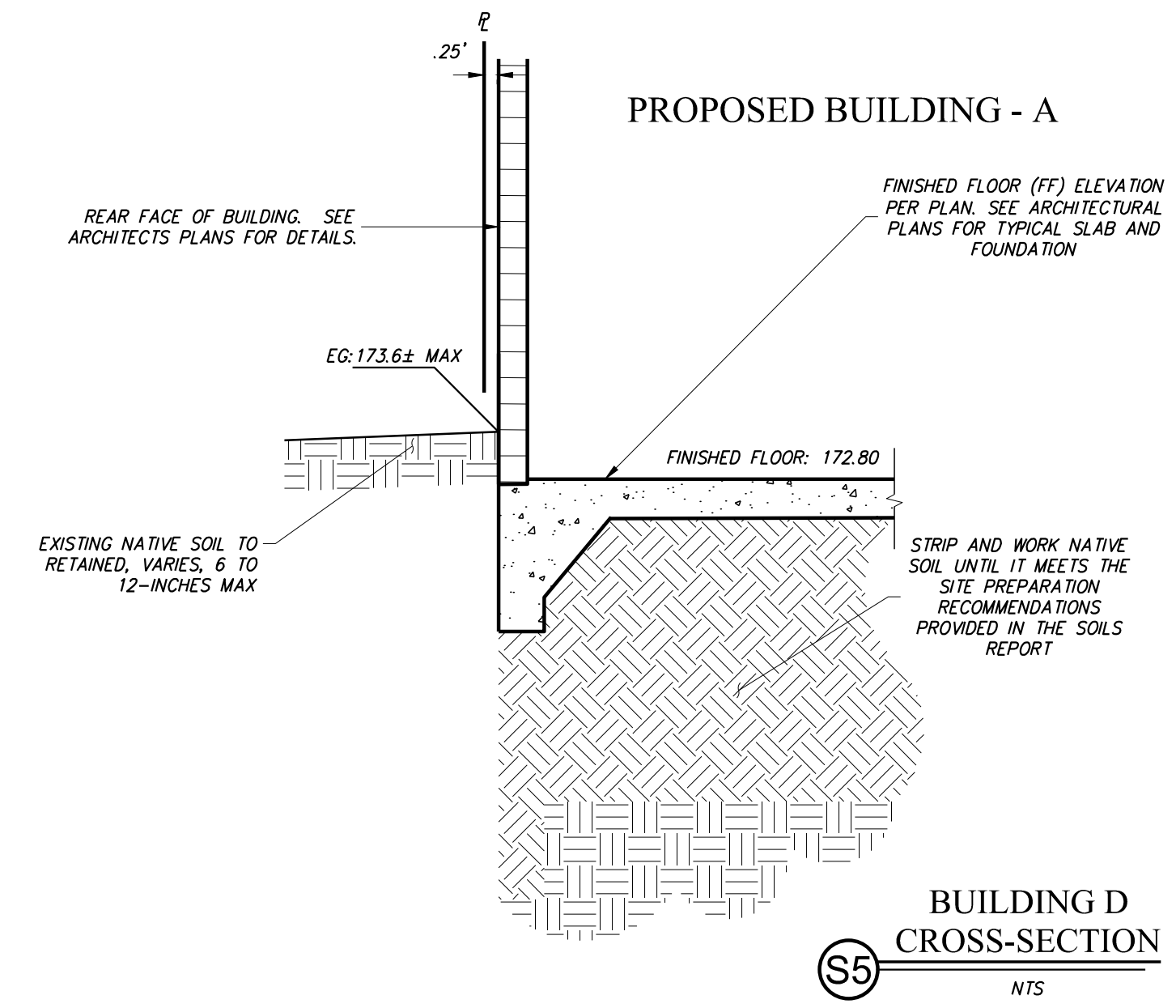
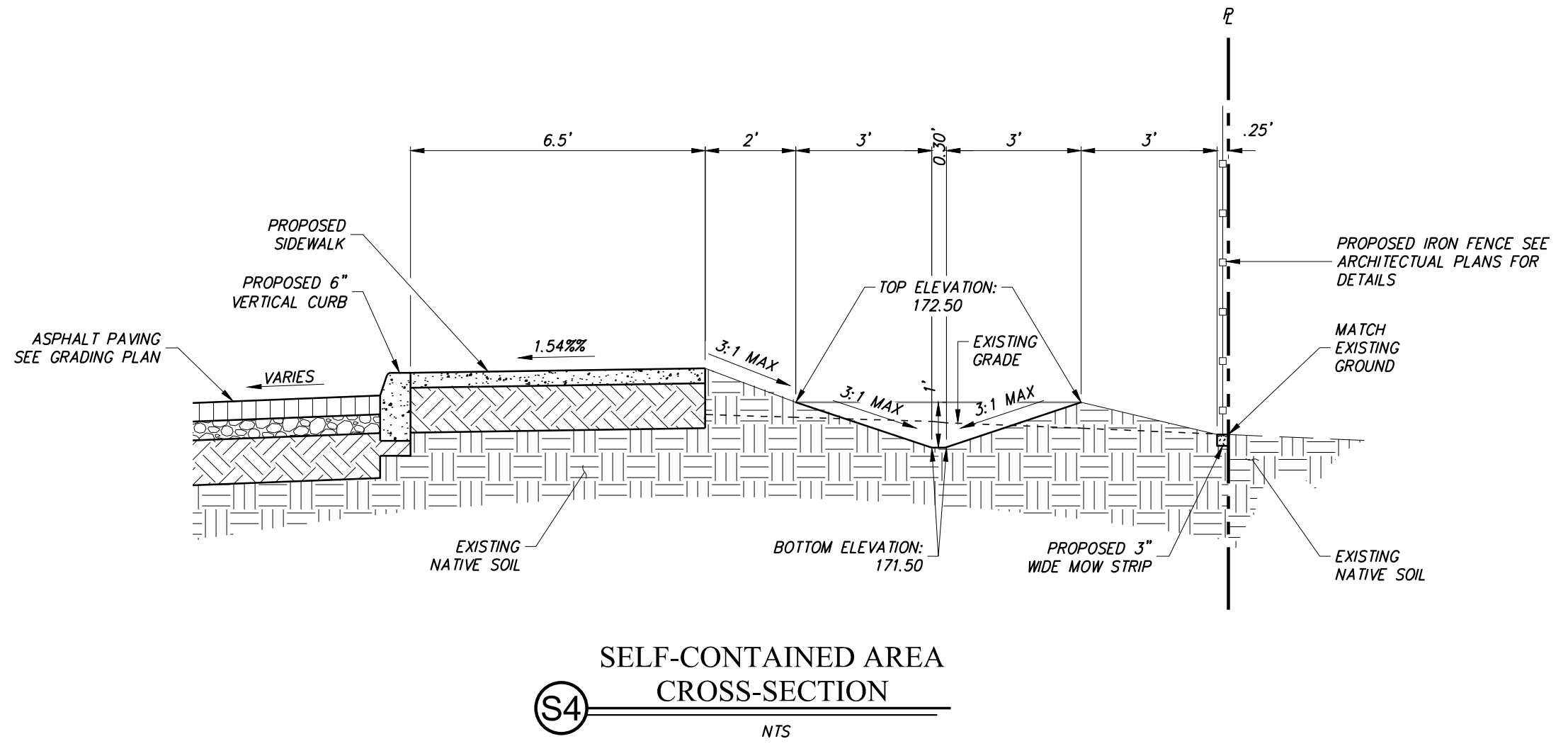
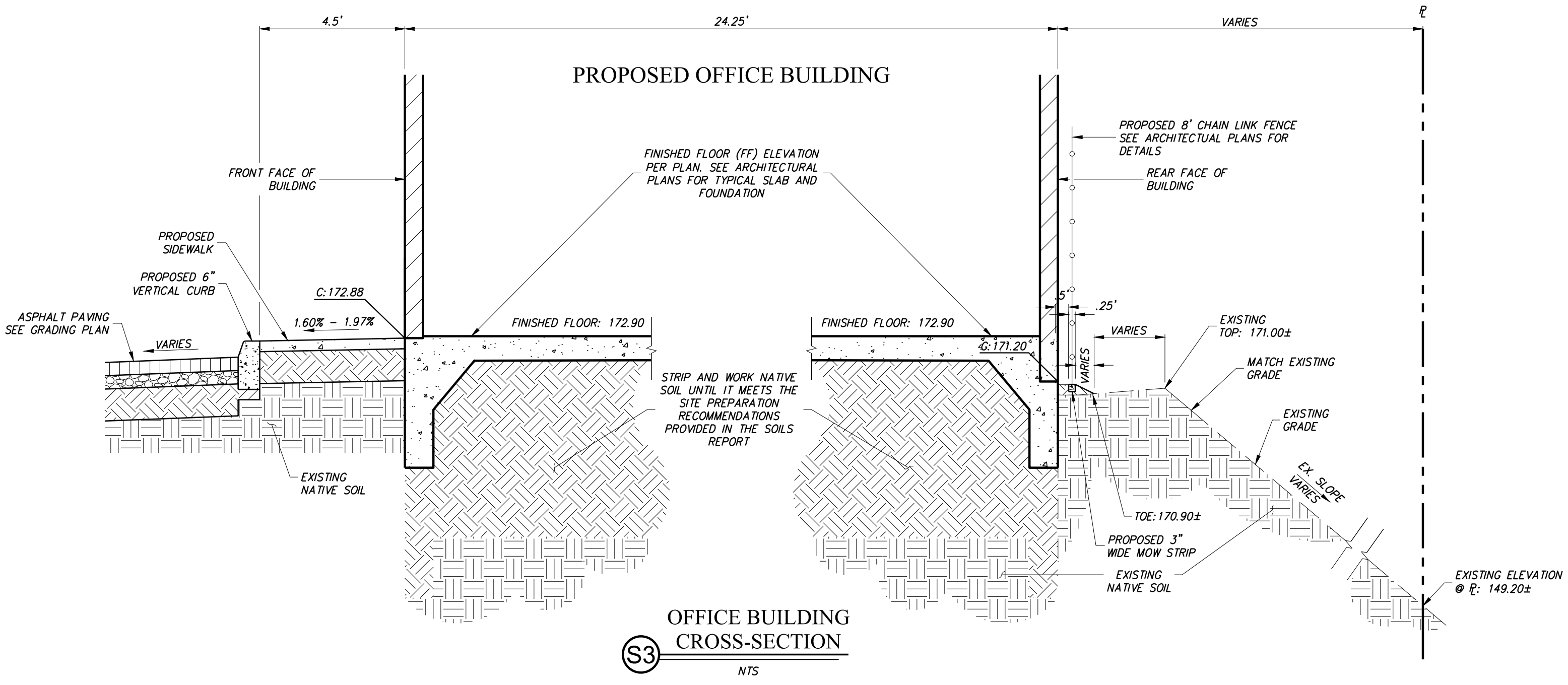
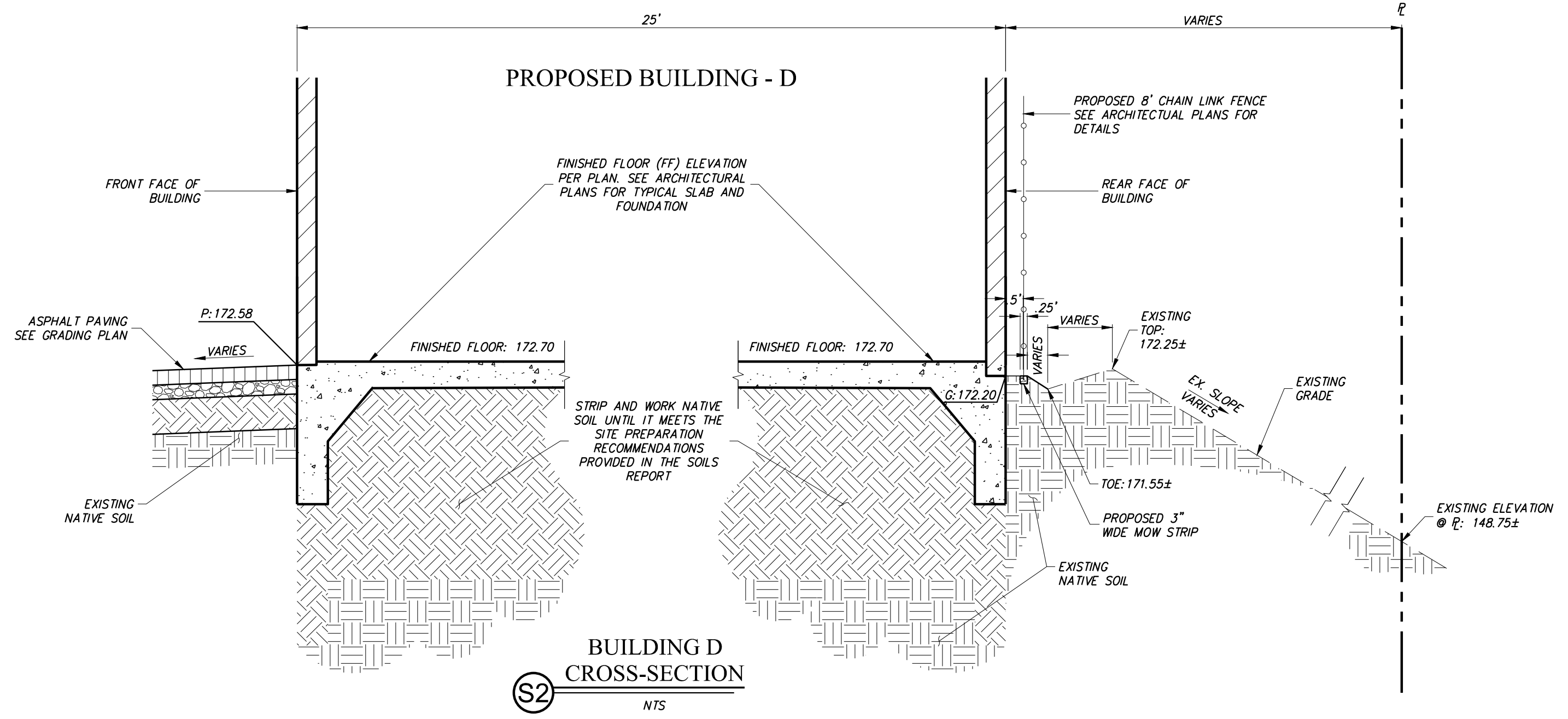
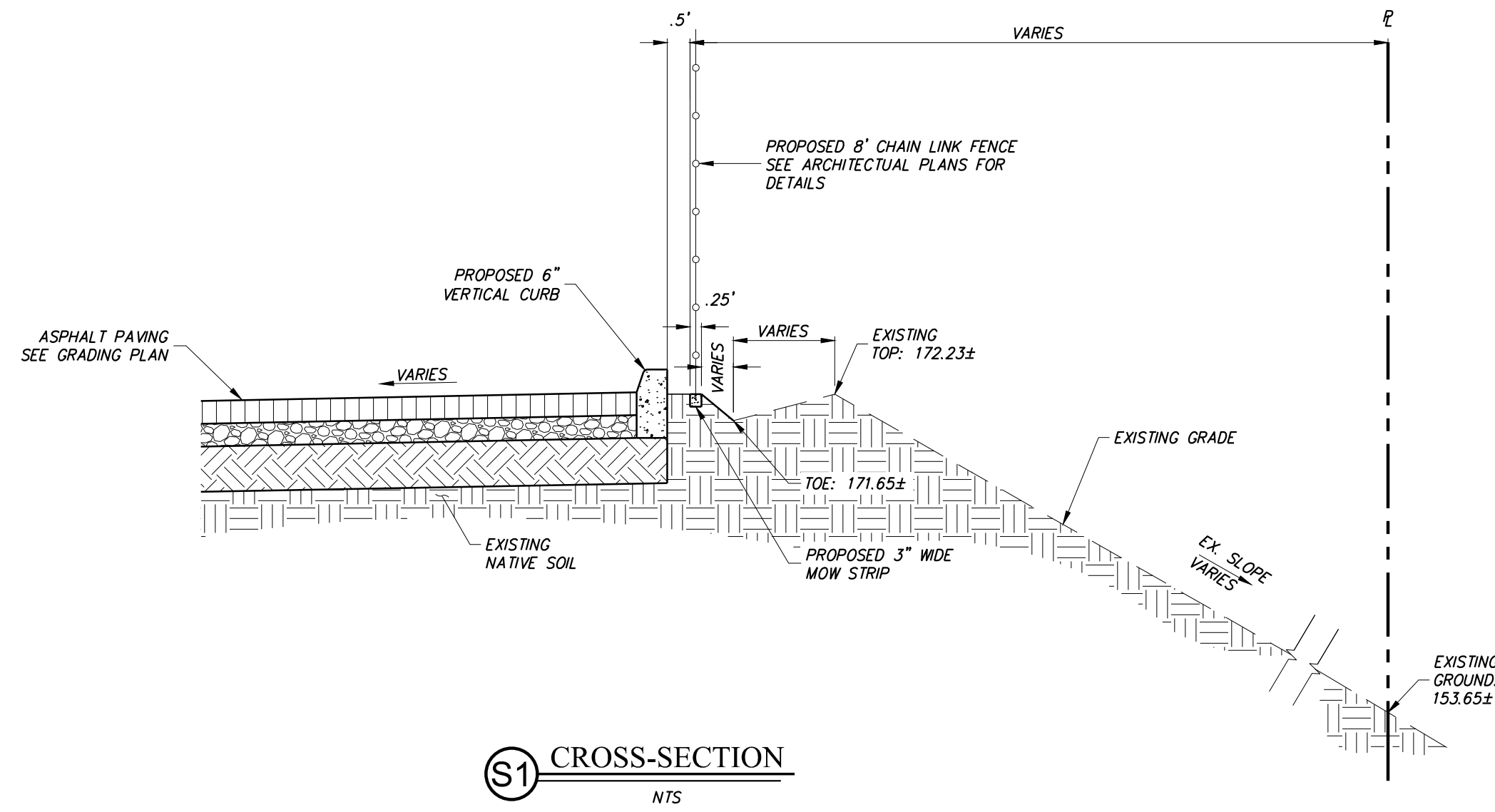
PROPOSED	EXISTING
AREA OF ASPHALT PAVING: 0.17" AC OVER 0.35" CL #8 COMPACTED TO 95% RD OVER 1" NATIVE MATERIAL COMPACTED TO 90% RD. APPROXIMATELY 30,035+ SQ. FT.	2" AC/4" AB
AREA OF "HEAVY DUTY" ASPHALT PAVING: 0.25" AC OVER 0.75" CL #8 COMPACTED TO 95% RD OVER 1" NATIVE MATERIAL COMPACTED TO 90% RD. APPROXIMATELY 4,823+ SQ. FT.	3" AC/9" AB
AREA OF CONCRETE PAVING: 0.33" PCC OVER 1" NATIVE MATERIAL COMPACTED TO 90% RD. REINFORCED WITH #4 BARS @ 24" O.C. EACH WAY CENTERED IN SLAB. APPROXIMATELY 4,507+ SQ. FT.	4" PCC
AREA OF "HEAVY DUTY" CONCRETE PAVING: 0.50" PCC OVER 1" NATIVE MATERIAL COMPACTED TO 90% RD. REINFORCED WITH #4 BARS @ 24" O.C. EACH WAY CENTERED IN SLAB. APPROXIMATELY 562+ SQ. FT.	6" PCC



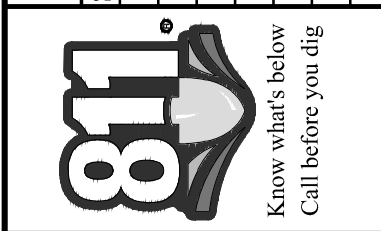
- ### PLAN NOTES
- LANE WIDTHS ARE MEASURED FROM BOTTOM OF CURB TO BOTTOM OF CURB, OR EDGE OF PAVEMENT TO EDGE OF PAVEMENT. CURB FACE IS NOT INCLUDED IN DRIVE LANE WIDTH OR PARKING STALL DEPTHS PER CITY OF WATERFORD STANDARDS.
  - CURB RADII ARE MEASURED AT BOTTOM FACE OF CURB OR FLOWLINE PER CITY OF WATERFORD STANDARDS.
  - INSTALL TRUNCATED DOMES PER DETAIL ON SHEET C4.
  - CONSTRUCT TRASH ENCLOSURE PER CITY OF WATERFORD DWG NO. 1002.
  - INSTALL ACCESSIBLE PARKING LOT SIGNAGE PER DETAIL ON SHEET C4.
  - INSTALL ACCESSIBLE STALL SIGNAGE PER DETAIL ON SHEET C4.
  - CONSTRUCT 6" VERTICAL CURB PER DETAIL D1 ON SHEET C9.
  - CONSTRUCT PEDESTRIAN ADA CURB RAMP PER CITY OF WATERFORD DWG NO. 319.
  - SEE ARCHITECTS PLANS AND LANDSCAPE ARCHITECTS PLANS FOR CONCRETE SCORING FINISHES, ETC., SITE APPARATUS SUCH AS, BIKE RACKS, AND MECHANICAL EQUIPMENT SUCH AS GAS METERS, ELECTRICAL PANELS, ETC.



RCE 50188, PLS 9489	
SYM. DATE	DESCRIPTION OF REVISION
BY: MVP	CHK: R. HAWKINS
DATE: 2023/11/13	
<b>HAWKINS &amp; ASSOCIATES ENGINEERING, INC.</b> 436 MITCHELL ROAD MODESTO, CA. 95354 PH: (209) 575-4295 FX: (209) 578-4295	
GRADING SHEET 2 ON-SITE IMPROVEMENT PLANS FOR: <b>WATERFORM MINI STORAGE</b> A.P.N. 080-035-008 WATERFORD, CALIFORNIA	
DATE:	
SHEET	C6
OF	11
3603.00	



SYM.	DATE	DESCRIPTION OF REVISION	APPD.

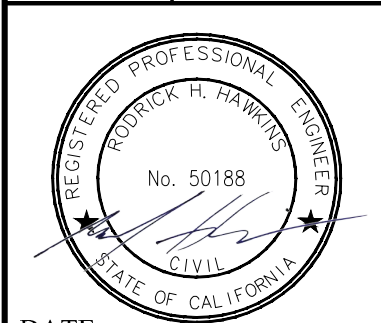


BY: MVP  
CHK: R. HAWKINS  
DATE: 2023/11/13

**HAWKINS & ASSOCIATES ENGINEERING, INC.**  
436 MITCHELL ROAD  
MODESTO, CA. 95354  
PH: (209) 575-4295  
FX: (209) 578-4295

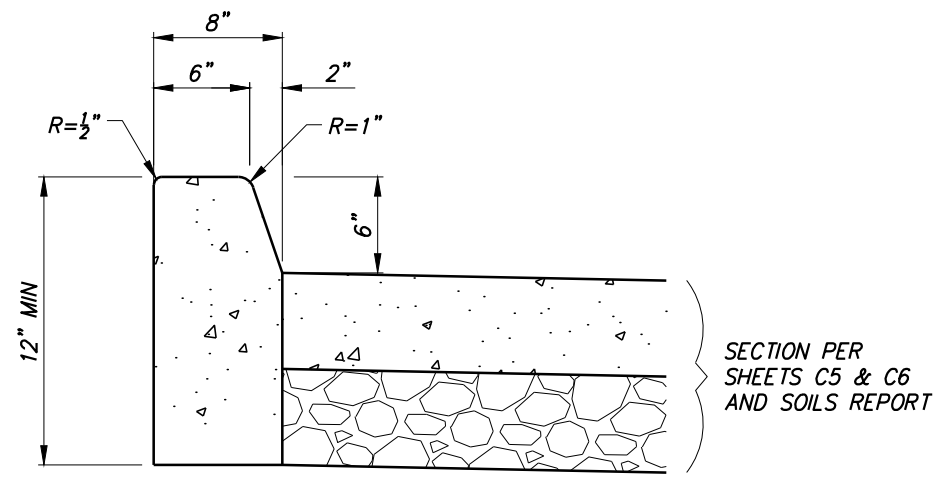


**GRADING DETAILS & SECTIONS SHEET**  
ON-SITE IMPROVEMENT PLANS FOR:  
**WATERFORM MINI STORAGE**  
A.P.N. 080-035-008  
WATERFORD, CALIFORNIA



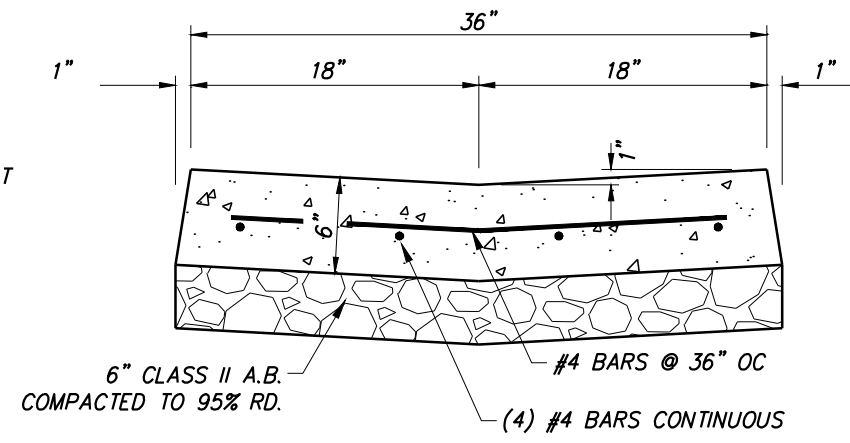
DATE: \_\_\_\_\_  
SHEET **C7**  
OF **11**



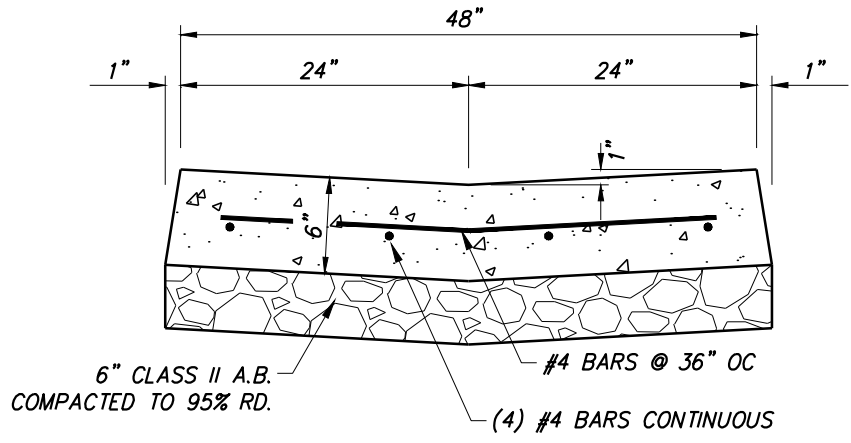


NOTE: THE BOTTOM OF THE VERTICAL CURBING SHALL MATCH THE BOTTOM OF THE AGGREGATE BASE ELEVATION.

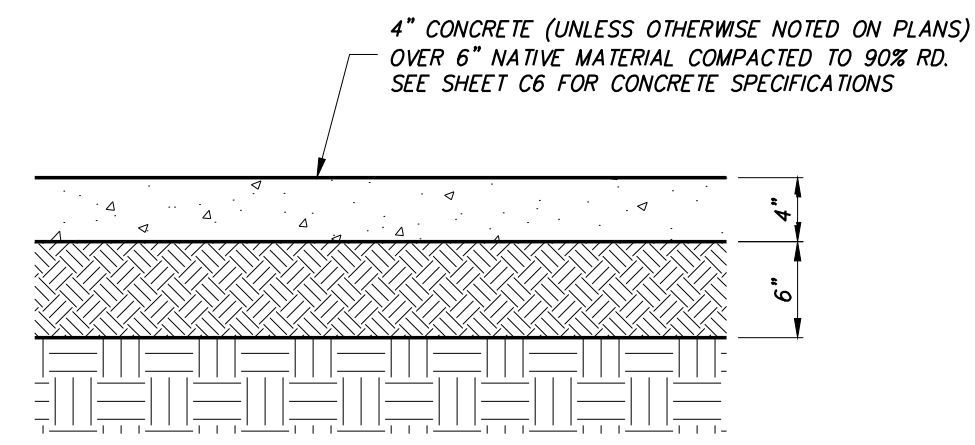
**D1 6" VERTICAL CURB DETAIL**  
NTS



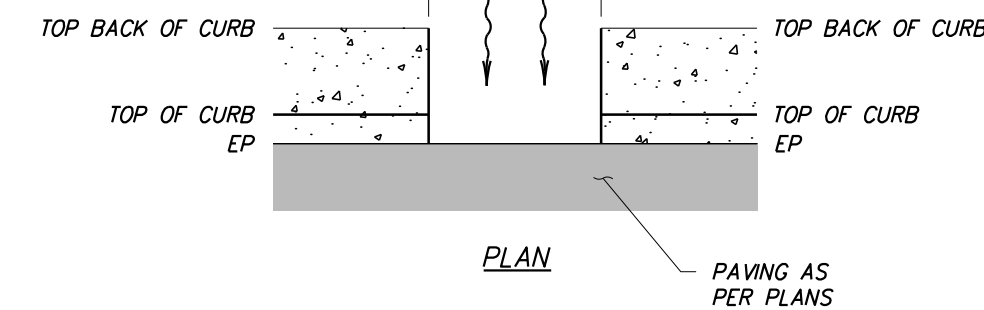
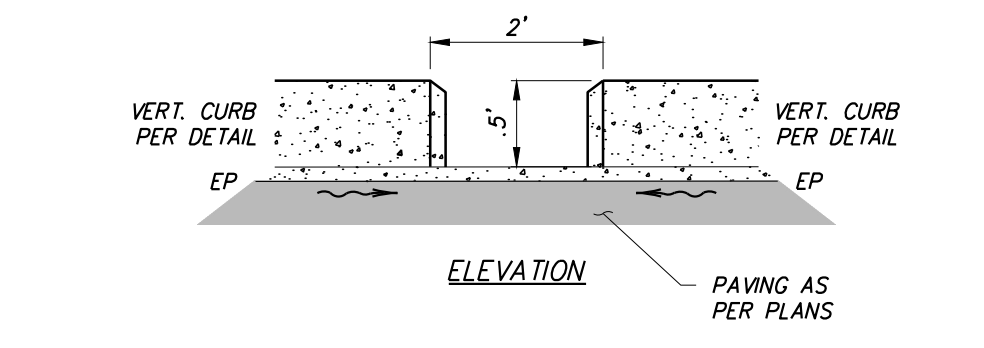
**D2 36" VALLEY GUTTER DETAIL**  
NTS



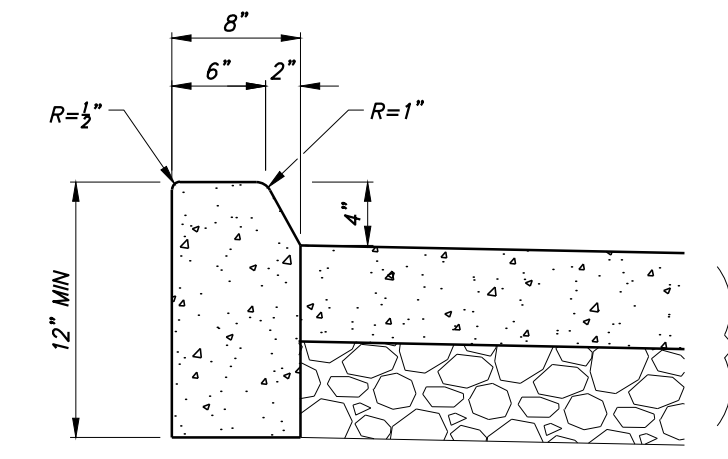
**D3 48" VALLEY GUTTER DETAIL**  
NTS



**D4 CONCRETE SECTION DETAIL**  
NTS

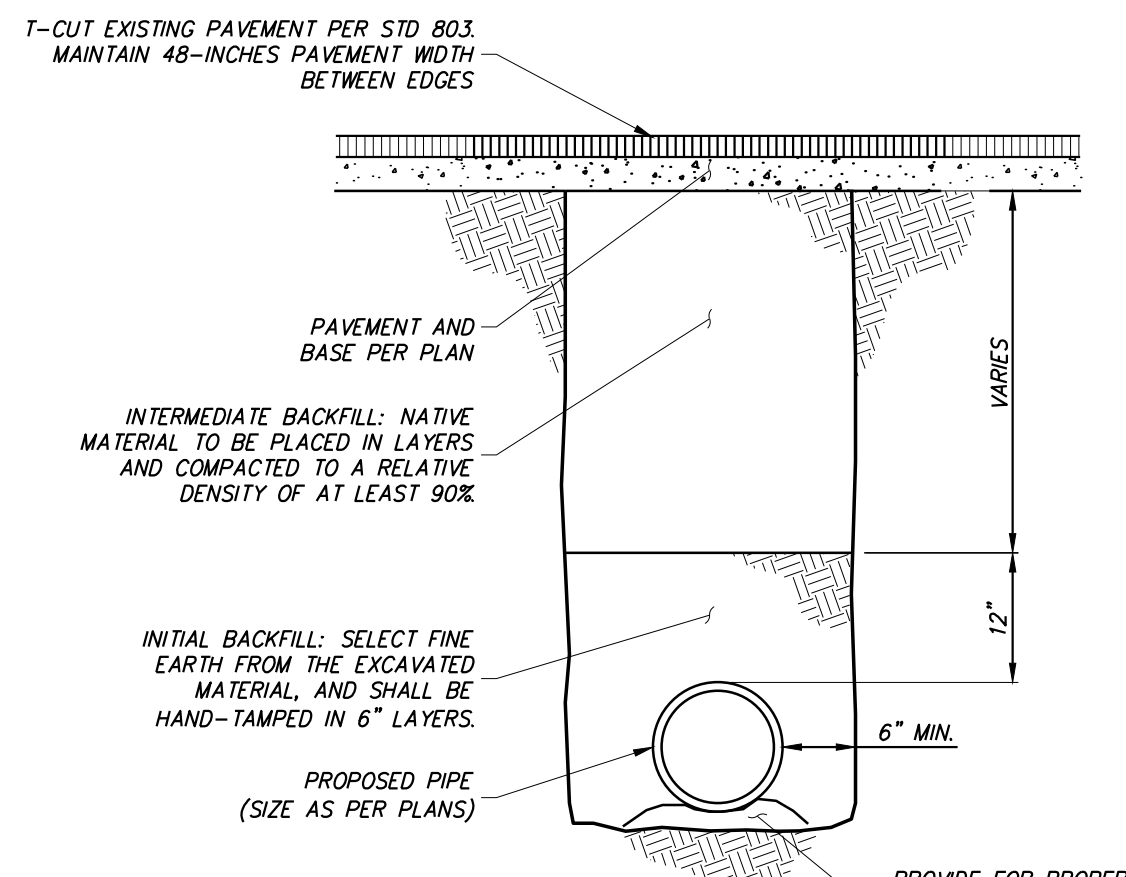


**D5 CURB-CUT DETAIL**  
NTS



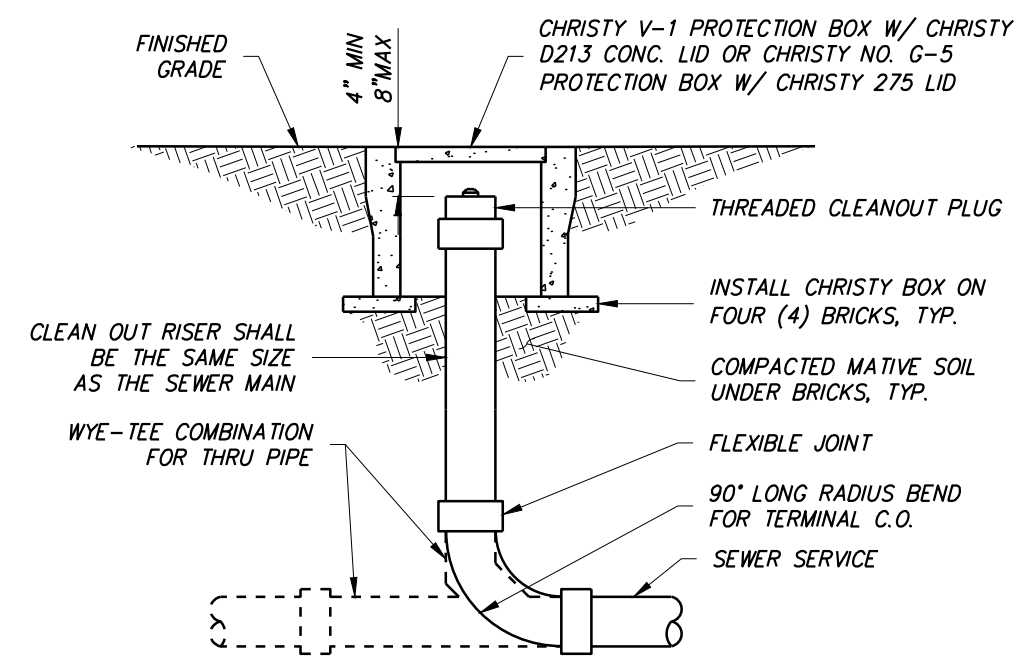
NOTE: THE BOTTOM OF THE VERTICAL CURBING SHALL MATCH THE BOTTOM OF THE AGGREGATE BASE ELEVATION.

**D6 4" VERTICAL CURB DETAIL**  
NTS

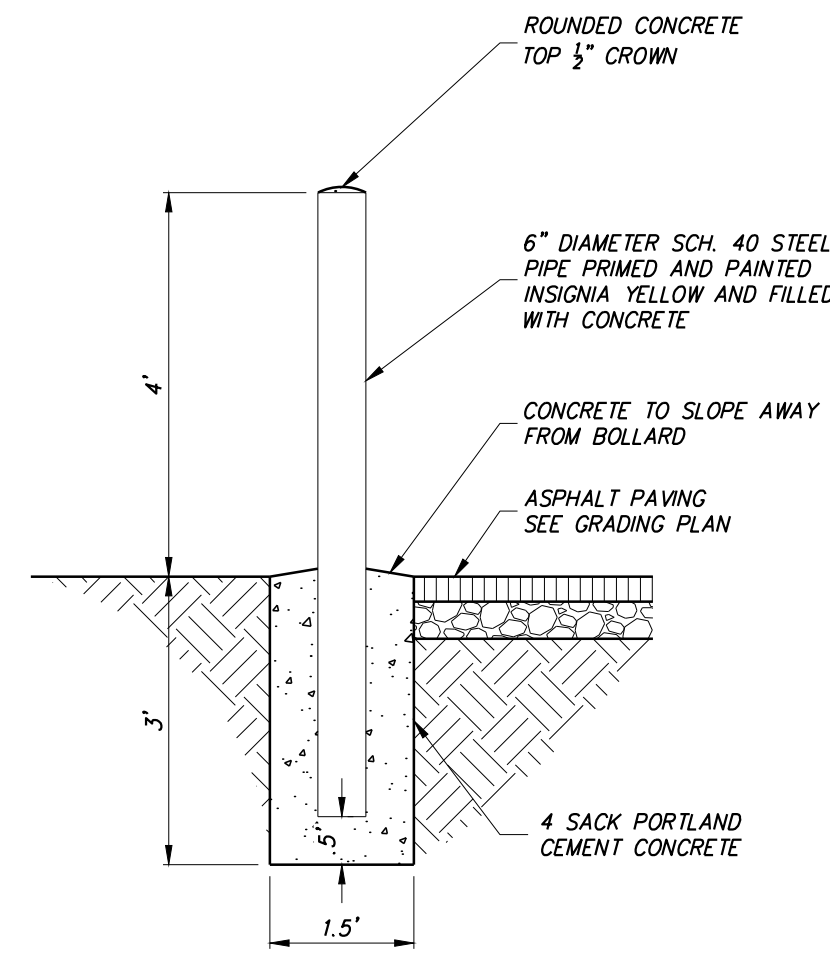


NOTES:  
1. TRENCH SECTION SHALL BE BACKFILLED AND COMPACTED TO GRADE.

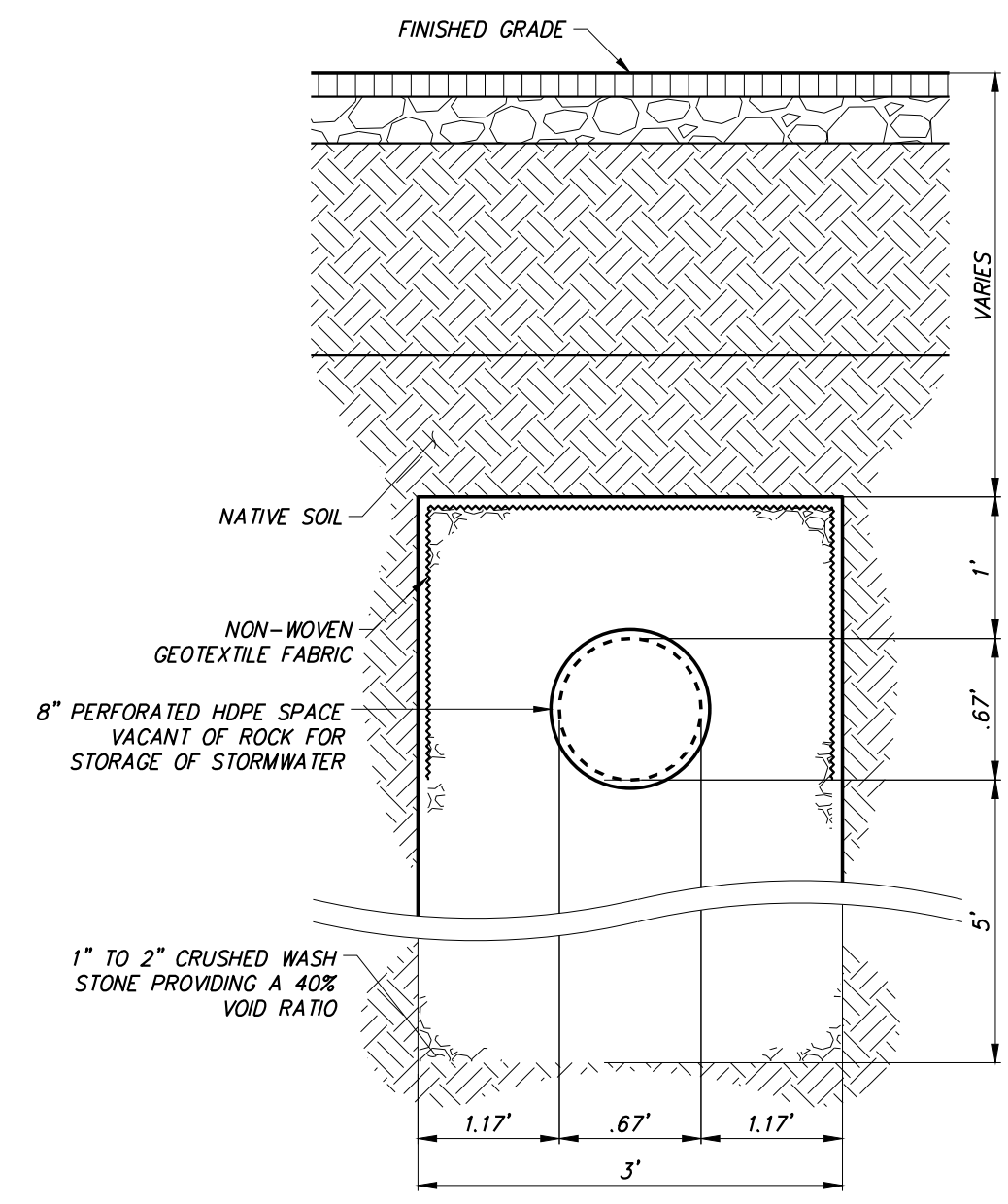
**TRENCH BACKFILL (TYP.)**  
NTS



**CLEAN OUT DETAIL**  
NTS

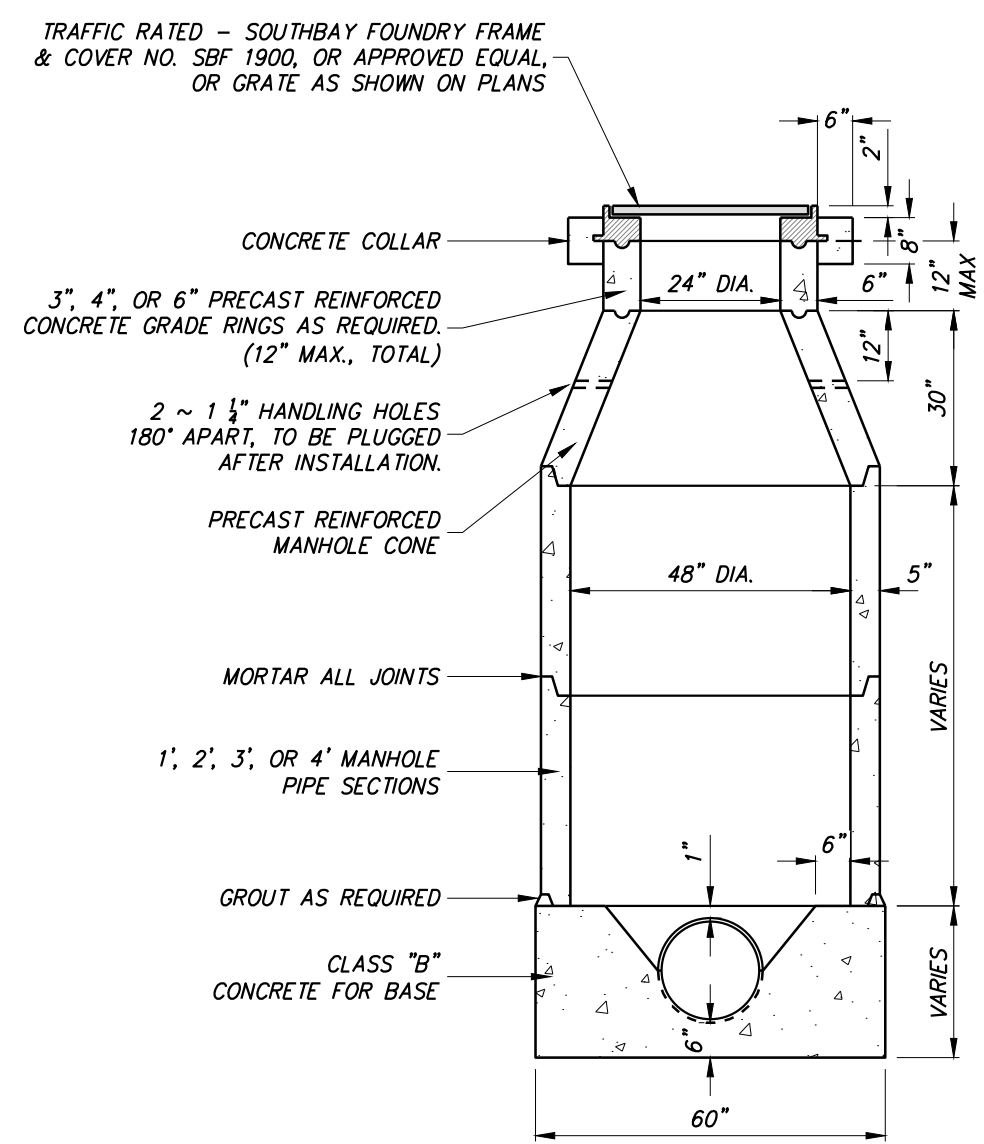


**BOLLARD**  
NTS



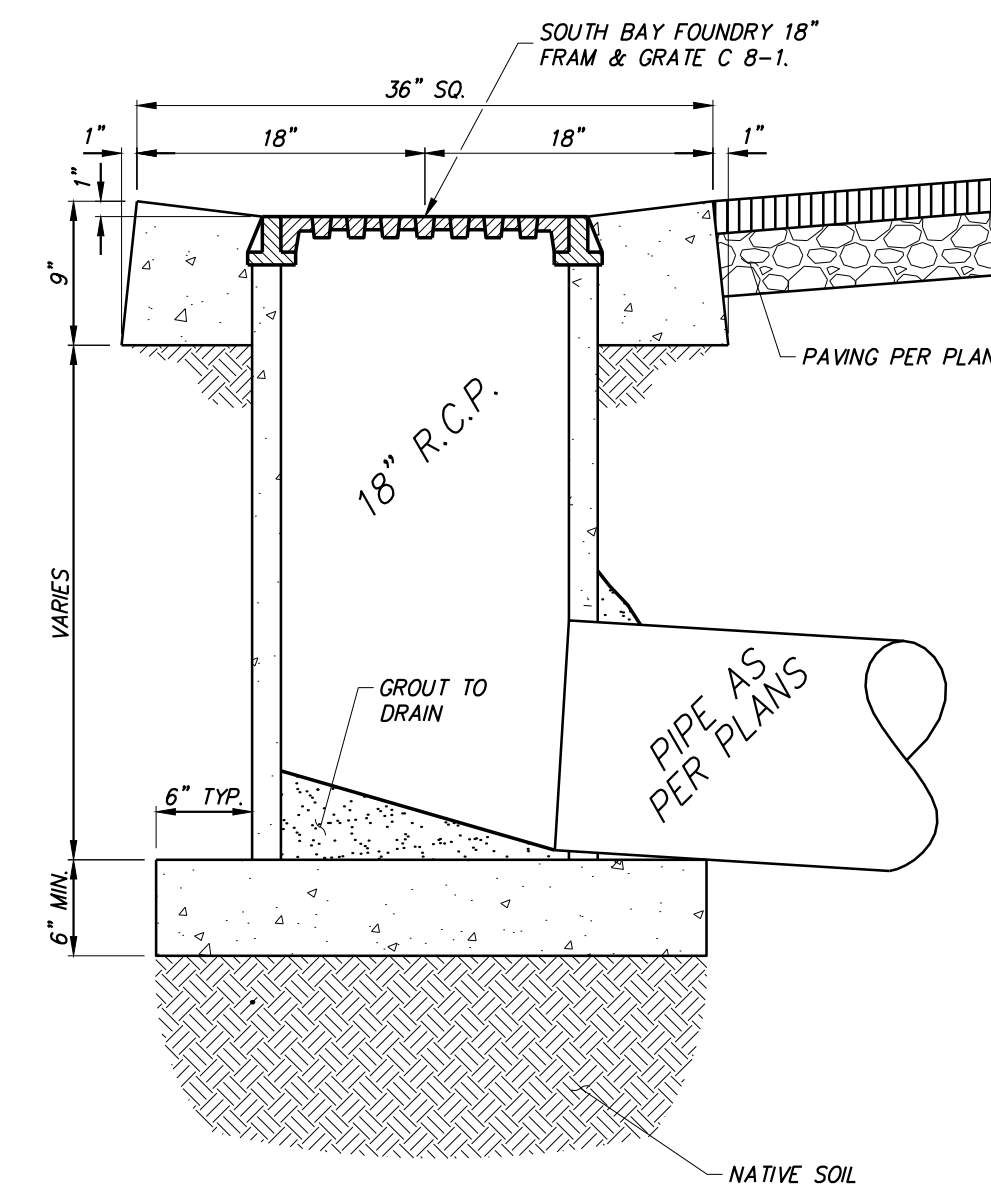
NOTES:  
1. INSTALL END CAP AT EACH END OF ALL 8" PIPES.

**FRENCH DRAIN DETAIL**  
NTS



NOTE:  
PRECAST REINFORCED CONCRETE MANHOLE UNITS SHALL CONFORM TO ASTM C-478. CONSTRUCT PIPE JOINTS AT 4' MAX. FROM BASE OF MANHOLE. PRIOR APPROVAL MUST BE OBTAINED BEFORE INSTALLING MORE THAN 12" OF GRADE RINGS.

**MANHOLE (TYP.)**  
NTS



**STORM DRAIN INLET**  
NTS

SYM.	DATE	DESCRIPTION OF REVISION	APPD.



BY: MVP  
CHK: R. HAWKINS  
DATE: 2023/11/13

**HAWKINS & ASSOCIATES ENGINEERING, INC.**  
436 MITCHELL ROAD  
MODESTO, CA. 95354  
PH: (209) 575-4295  
FX: (209) 578-4295

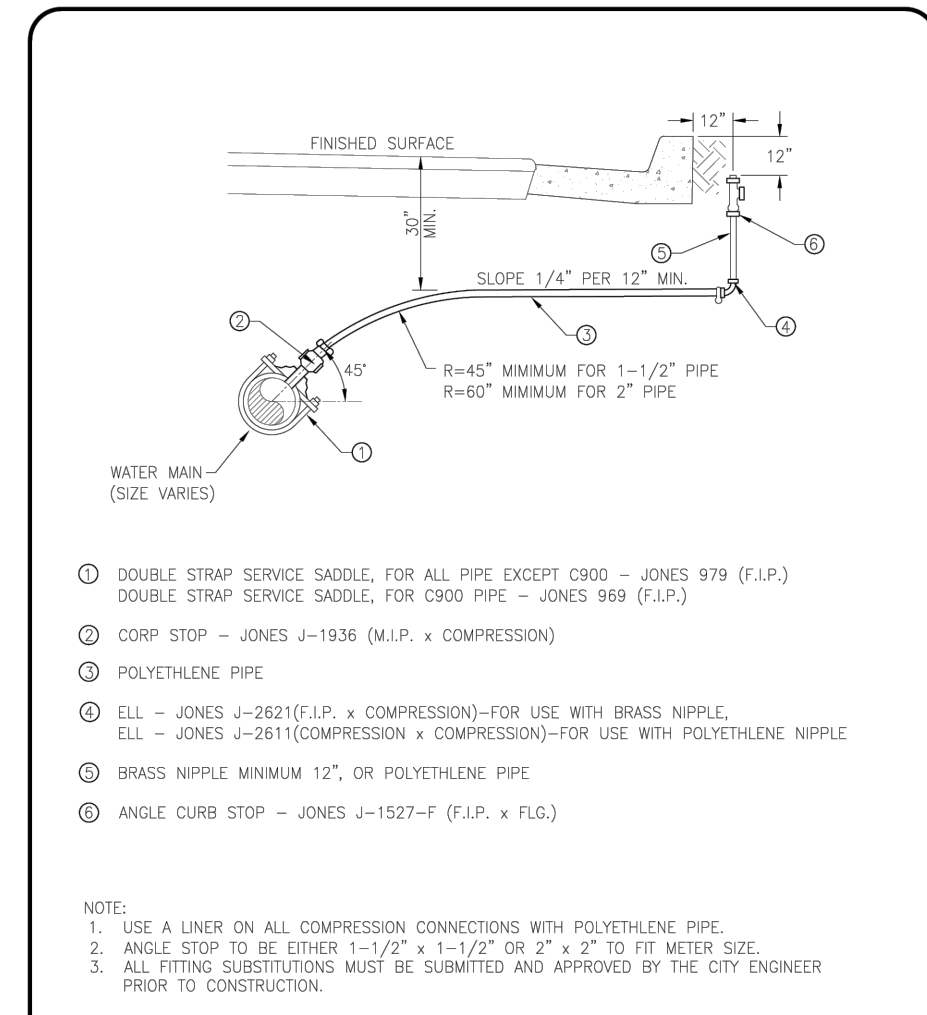


**CONSTRUCTION DETAILS SHEET**  
ON-SITE IMPROVEMENT PLANS FOR:  
**WATERFORM MINI STORAGE**  
A.P.N. 080-035-008  
WATERFORD, CALIFORNIA



DATE:

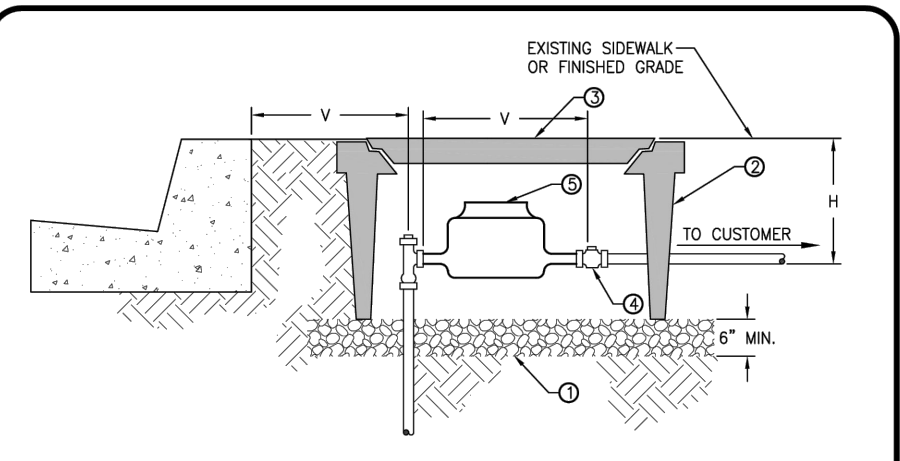
SHEET  
**C9**  
OF  
**11**



- ① DOUBLE STRAP SERVICE SADDLE, FOR ALL PIPE EXCEPT C900 - JONES 979 (F.I.P.)  
DOUBLE STRAP SERVICE SADDLE, FOR C900 PIPE - JONES 969 (F.I.P.)
- ② CORP STOP - JONES J-1936 (M.I.P. x COMPRESSION)
- ③ POLYETHYLENE PIPE
- ④ ELL - JONES J-2621 (F.I.P. x COMPRESSION)-FOR USE WITH BRASS NIPPLE,  
ELL - JONES J-2611 (COMPRESSION x COMPRESSION)-FOR USE WITH POLYETHYLENE NIPPLE
- ⑤ BRASS NIPPLE MINIMUM 12", OR POLYETHYLENE PIPE
- ⑥ ANGLE CURB STOP - JONES J-1527-F (F.I.P. x F.L.G.)

NOTE:  
1. USE A LINER ON ALL COMPRESSION CONNECTIONS WITH POLYETHYLENE PIPE.  
2. ANGLE STOP TO BE EITHER 1-1/2" x 1-1/2" OR 2" x 2" TO FIT METER SIZE.  
3. ALL FITTING SUBSTITUTIONS MUST BE SUBMITTED AND APPROVED BY THE CITY ENGINEER PRIOR TO CONSTRUCTION.

**1-1/2" & 2" STANDARD SERVICE INSTALLATION** **503**  
 TONY B. MARSHALL, CITY ENGINEER  
 12/05/2013 DATE

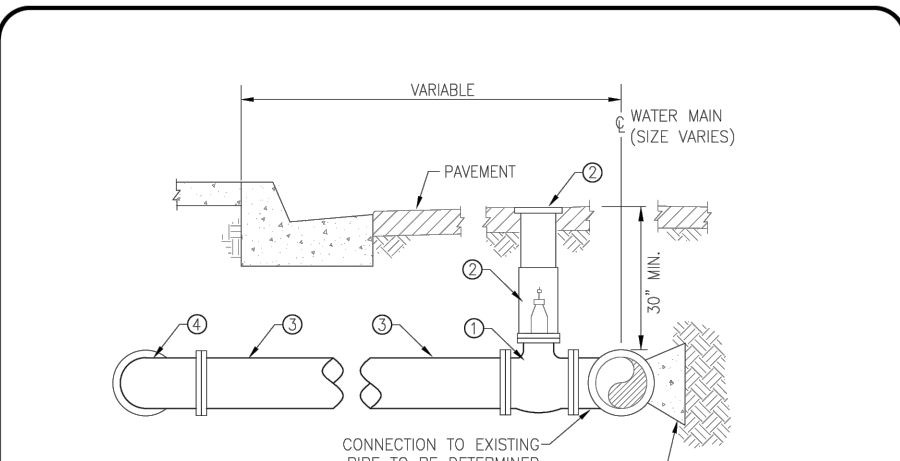


① 3/4" CRUSHED AGGREGATE BASE

SIZES	METER BOX	COVER	V	H
1"	CHRISTY B-30	CHRISTY B-30D	6"	6"
1-1/2" & 2"	CHRISTY B-36	CHRISTY B-36D	12"	12"

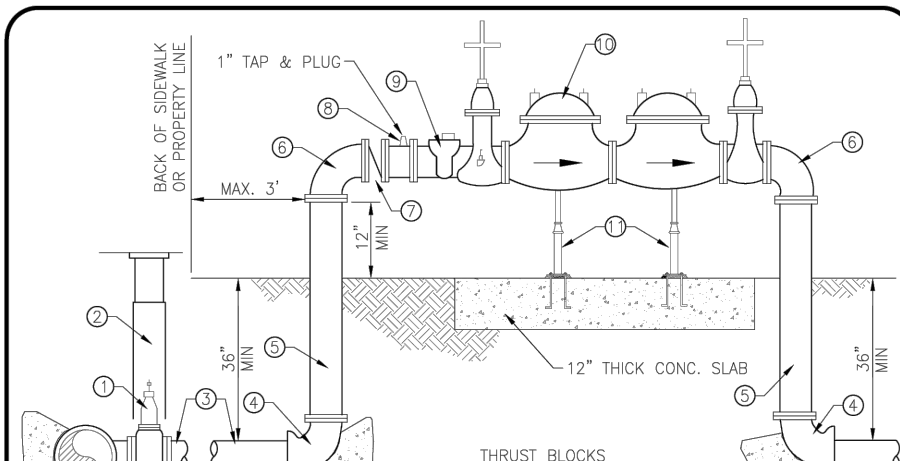
- ① JONES 1925
  - ② 1-1/2" & 2" JONES 1939
  - ③ METER TO BE FURNISHED BY THE CITY
- NOTES:  
1. USE A LINER ON ALL COMPRESSION CONNECTIONS WITH POLYETHYLENE PIPE.  
2. ALL FITTING SUBSTITUTIONS MUST BE SUBMITTED AND APPROVED BY THE CITY ENGINEER PRIOR TO CONSTRUCTION.

**1", 1-1/2", & 2" METER ASSEMBLY** **504**  
 TONY B. MARSHALL, CITY ENGINEER  
 12/05/2013 DATE



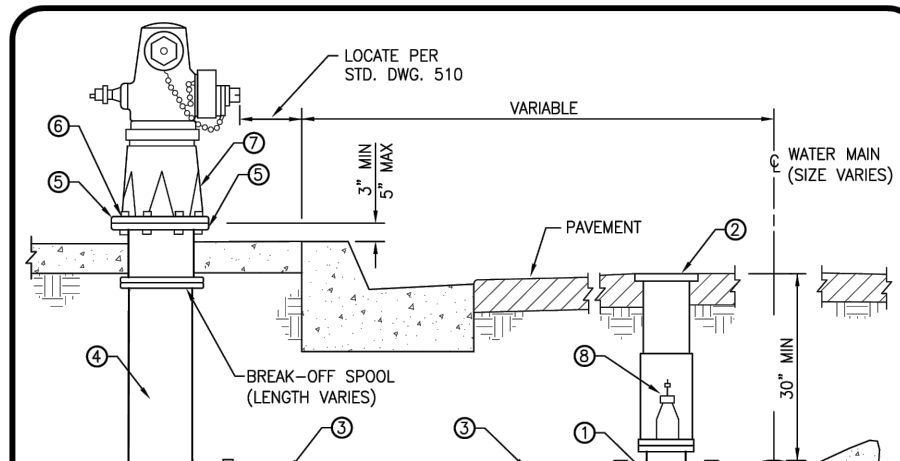
- ① 6" GATE VALVE (F.L.G. x F.L.G.) ON NEW OR REPLACEMENT PIPES OR TAPPING VALVE ON EXISTING PIPE
  - ② CITY STANDARD VALVE BOX, STD. DWG. 512
  - ③ DUCTILE IRON OR STANDARD STEEL M.&C. (F.L.G. x F.L.G.)
  - ④ LONG RADIUS 90° BEND (F.L.G. x F.L.G.) - USE ONLY FOR PARALLEL INSTALLATION
- NOTES:  
1. DEPTH VARIES WITH 42" MINIMUM, DEPENDENT ON REQUIREMENTS FOR METER AND VALVE SIZES.  
2. DISTANCE BEHIND CURB VARIES TO MEET REQUIREMENTS FOR PERPENDICULAR OR PARALLEL METER INSTALLATION.  
3. ALL FITTINGS AND PIPES MUST MEET AWWA STANDARDS

**4" TO 8" SERVICE INSTALLATION** **505**  
 TONY B. MARSHALL, CITY ENGINEER  
 12/05/2013 DATE



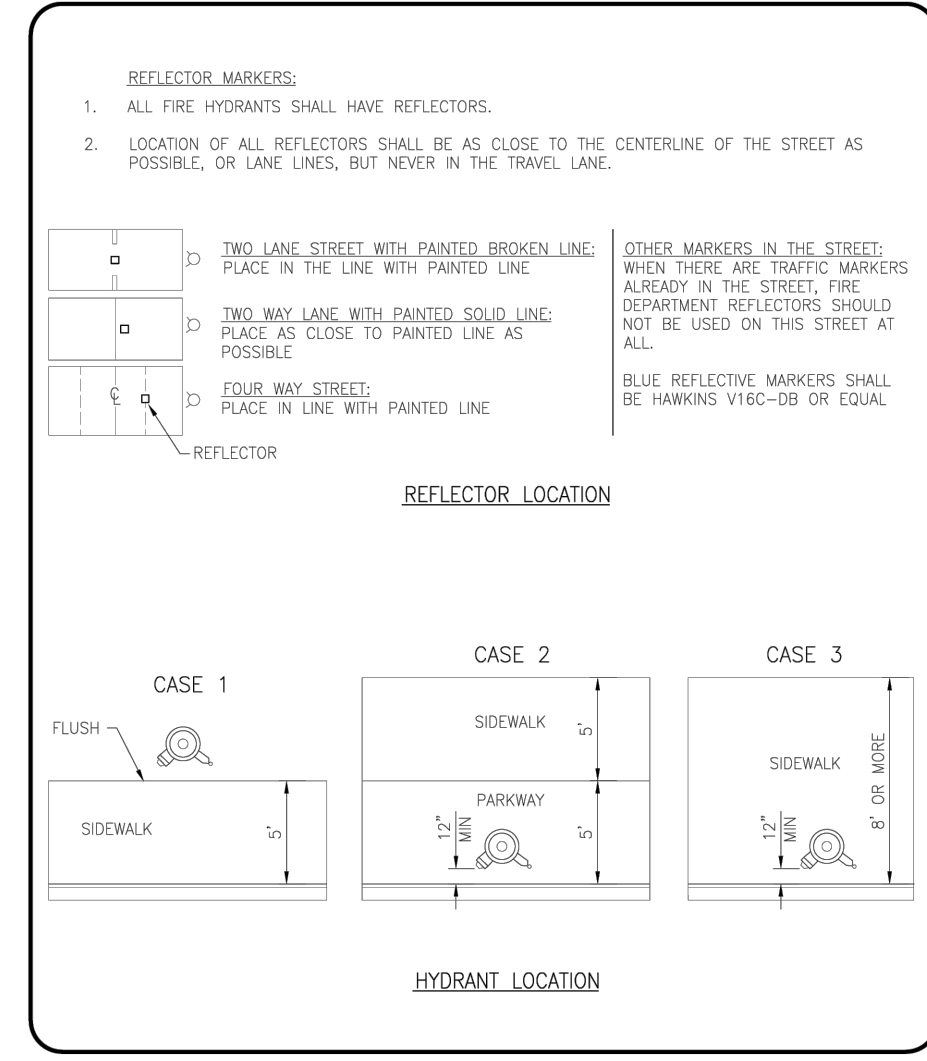
- ① 6" GATE VALVE ON NEW OR REPLACEMENT PIPES OR TAPPING VALVE ON EXISTING PIPE (F.L.G. x F.L.G.)
  - ② VALVE BOX (STD. DWG. 512)
  - ③ STANDARD STEEL PIPE M.&C. OR DUCTILE IRON
  - ④ 90° ELBOW BEND (M.&C. x F.L.G.)
  - ⑤ DUCTILE IRON OR STANDARD STEEL M.&C. (F.L.G. x F.L.G.)
  - ⑥ CITY APPROVED GATE VALVE (F.L.G. x F.L.G.)
  - ⑦ SPOOL WITH 1" TAP AND PLUG (F.L.G. x F.L.G.)
  - ⑧ CITY APPROVED METER WITH STRAINER
  - ⑨ CITY APPROVED REDUCED PRESSURE BACK FLOW PREVENTION DEVICE
  - ⑩ PIPE SUPPORT (STD. DWG. 516)
- NOTE: FDC, CHECK VALVE, AND PIV TO BE LOCATED ON SITE AND APPROVED BY STANDARDS CONSULTANT, FIRE PROTECTION DISTRICT.

**TYPICAL 4", 6", 8", & 10" METERED IRRIGATION SERVICE** **508**  
 TONY B. MARSHALL, CITY ENGINEER  
 12/05/2013 DATE

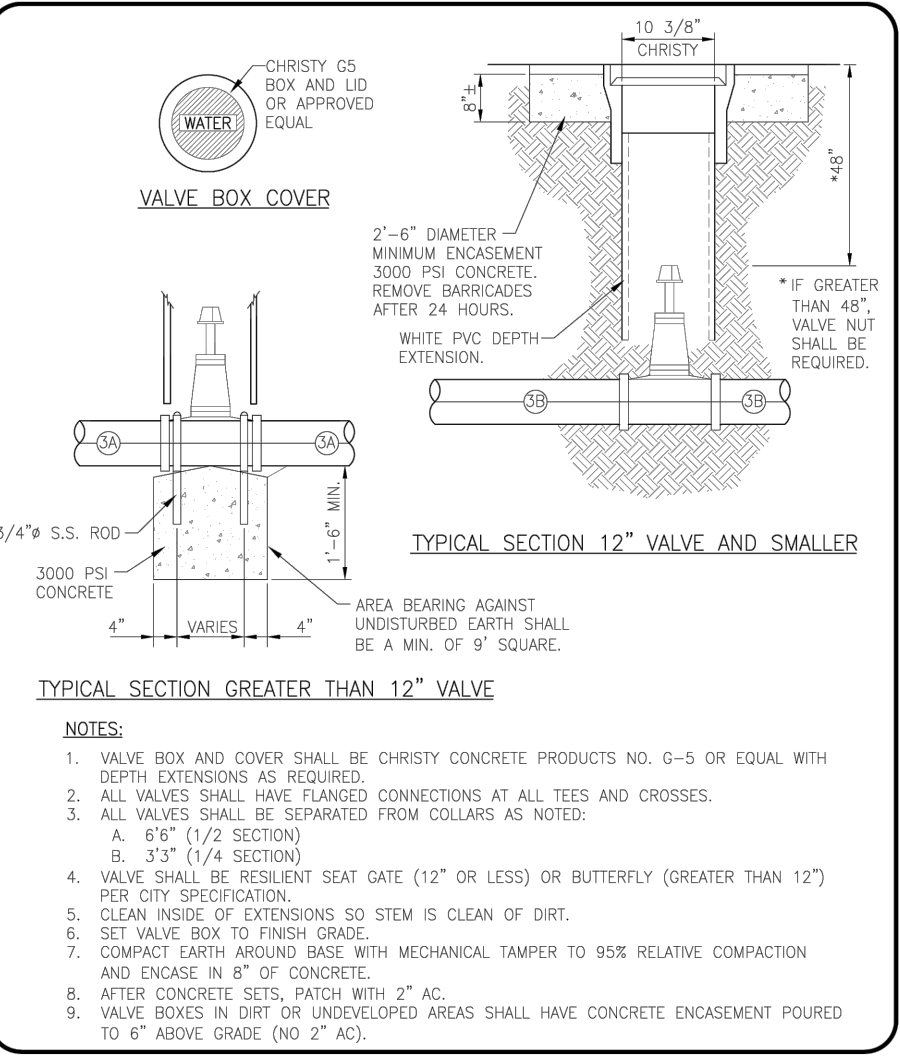


- ① 6" GATE VALVE ON NEW OR REPLACEMENT PIPES OR TAPPING VALVE ON EXISTING PIPE - (F.L.G. x F.L.G.)
- ② VALVE BOX PER CITY STANDARD 512
- ③ 6" STANDARD STEEL PIPE M.&C. OR DUCTILE IRON
- ④ DUCTILE IRON BURY WITH FOOT AND M.J.
- ⑤ BREAKAWAY SPOOL
- ⑥ BREAKAWAY BOLTS
- ⑦ JONES J-4040 FIRE HYDRANT OR APPROVED EQUAL
- ⑧ SHUT-OFF VALVES SHALL BE A MINIMUM OF 10 FEET FROM THE HYDRANT

**FIRE HYDRANT INSTALLATION** **509**  
 TONY B. MARSHALL, CITY ENGINEER  
 12/05/2013 DATE



**FIRE HYDRANT AND REFLECTOR LOCATION** **510**  
 TONY B. MARSHALL, CITY ENGINEER  
 12/05/2013 DATE



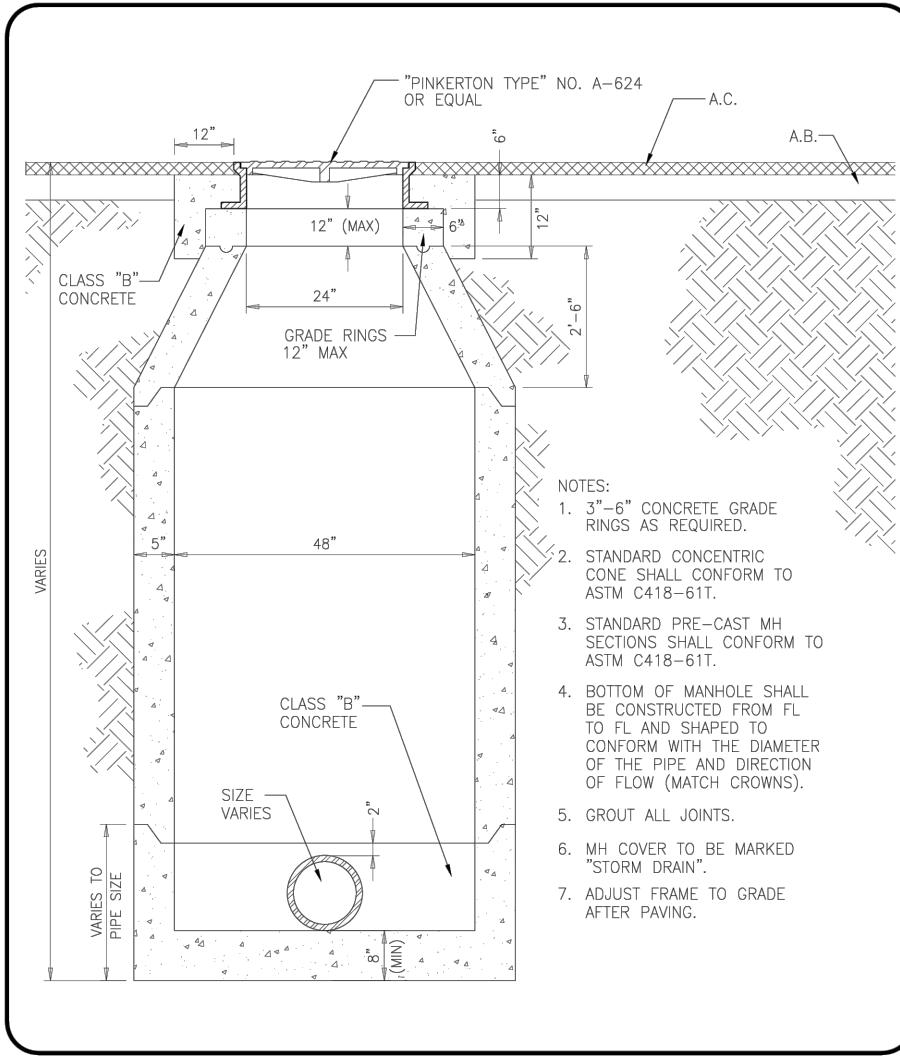
**VALVE BOX INSTALLATION** **512**  
 TONY B. MARSHALL, CITY ENGINEER  
 12/05/2013 DATE

THRUST BLOCK LAYOUT

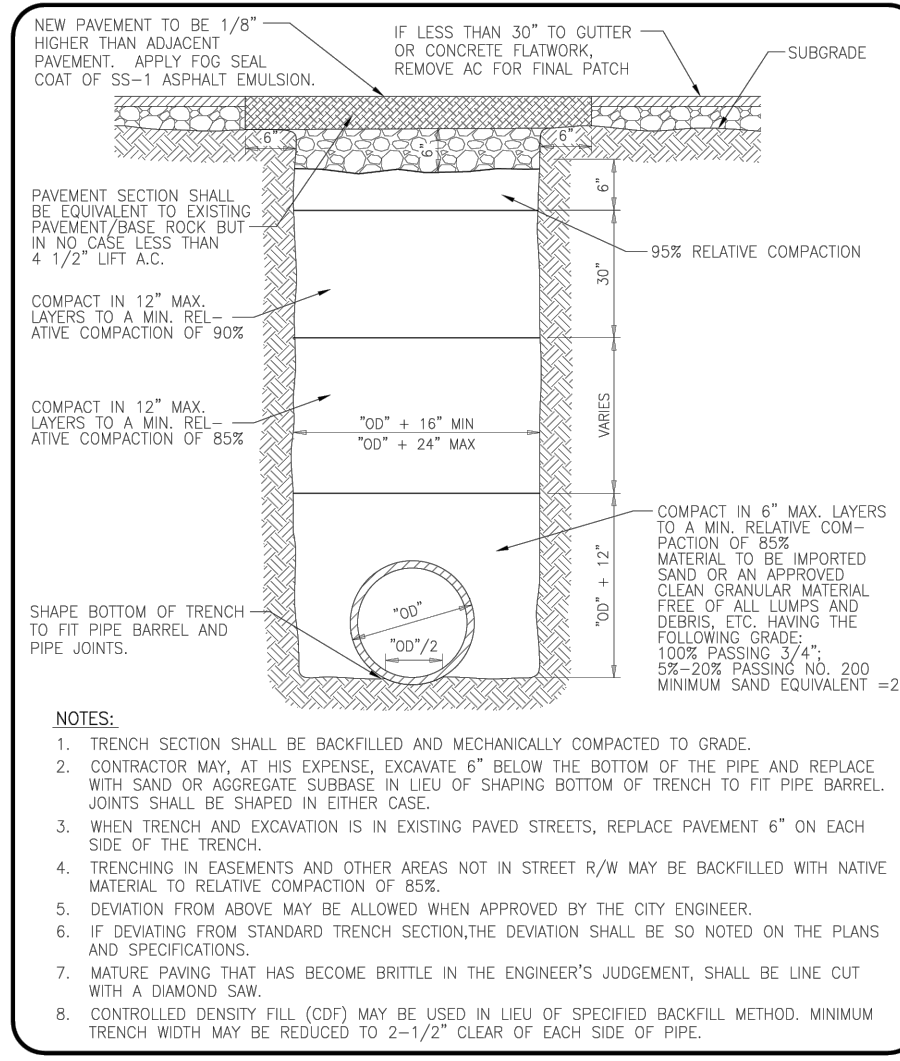
PIPE DIA.	PIPE CLASS	TEE	90° BEND	45° BEND AND WYES	ALL BENDS AND WYES 22-2" OR LESS	CROSS (EACH)	CASE 1 AND 2 (EACH)	CASE 3 (EACH)	LINE VALVE	VERTICAL ANCHORS (EACH)
150	150	3	4	3	2	1	3	4	3	3
200	200	4	6	3	2	1	4	6	4	4
240	240	6	9	5	3	2	6	8	6	6
300	300	11	16	6	3	2	8	11	8	8
360	360	14	21	8	4	3	10	14	10	10
420	420	18	27	11	6	3	14	19	14	14
480	480	23	33	14	8	4	18	24	18	18
540	540	29	41	17	10	5	22	29	22	22
600	600	35	49	21	12	6	27	35	27	27
660	660	41	57	25	15	7	31	41	31	31

NOTE:  
1. THRUST BLOCK BEARING FACES SHALL BE PLACED AGAINST UNDISTURBED EARTH, APPROVED COMPACTED FILL OR APPROVED SURRY MAT.  
2. CONCRETE TO BE KEPT CLEAR OF BOLTS, NUTS AND END OF FITTING.  
3. PLACE 6" M.I. W/GRIND TO COVER BOLTS OF ALL FITTINGS AND CONCRETE.

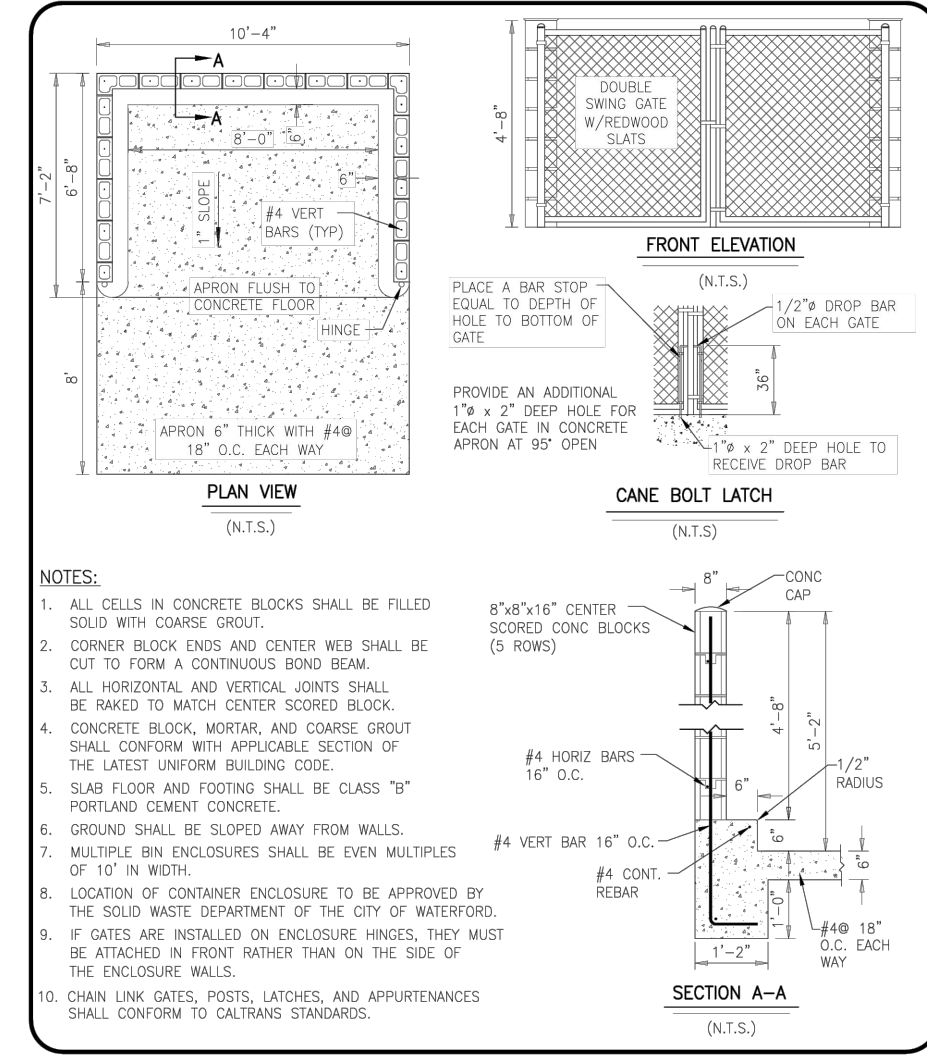
**THRUST BLOCK SIZES** **514**  
 TONY B. MARSHALL, CITY ENGINEER  
 12/05/2013 DATE



**STORM DRAIN MANHOLE** **702**  
 TONY B. MARSHALL, CITY ENGINEER  
 12/05/2013 DATE



**TRENCH SECTION EXISTING STREETS** **803**  
 TONY B. MARSHALL, CITY ENGINEER  
 12/05/2013 DATE









**CONCRETE BLOCK TRASH ENCLOSURE** **1002**  
 TONY B. MARSHALL, CITY ENGINEER  
 12/05/2013 DATE

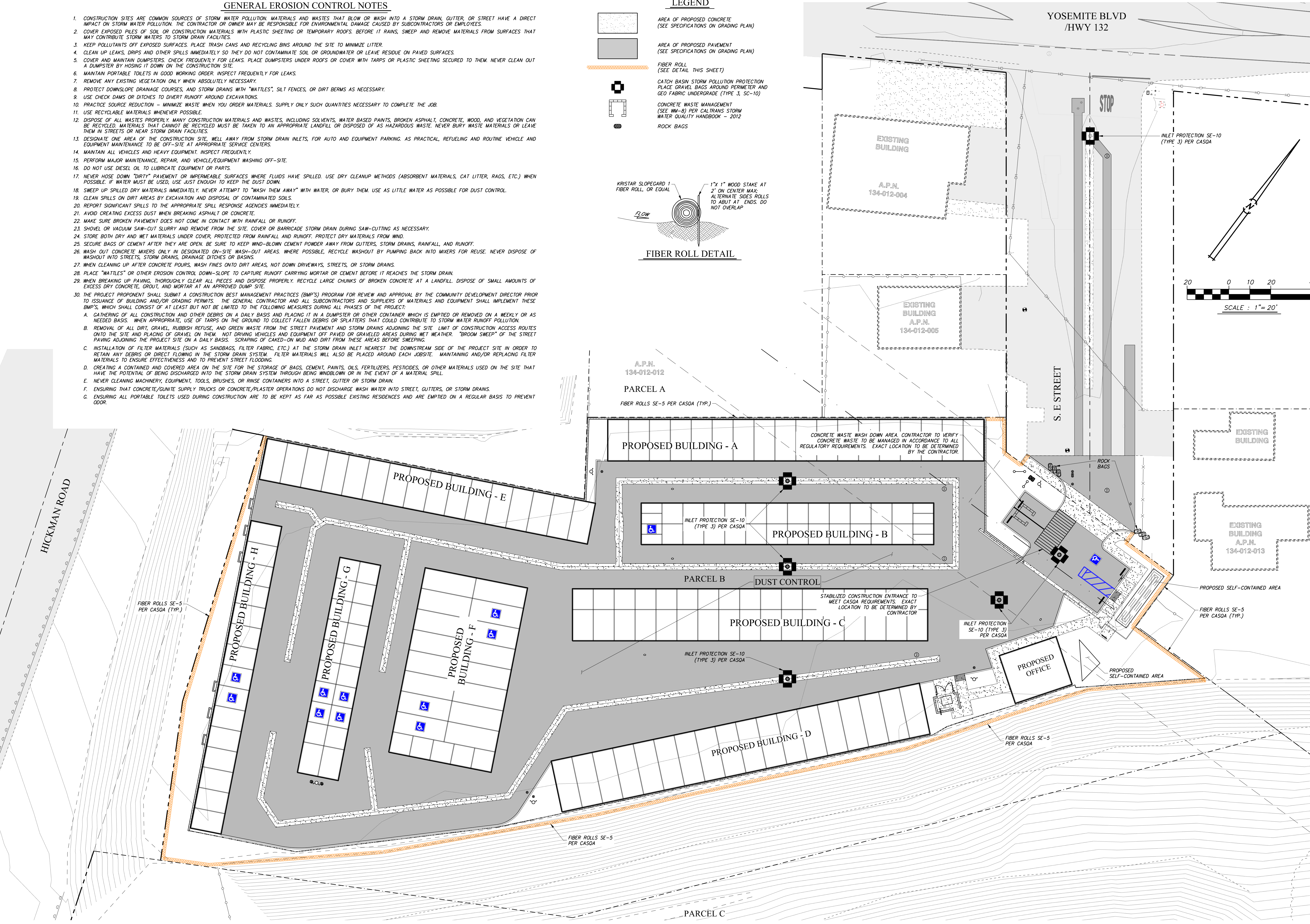
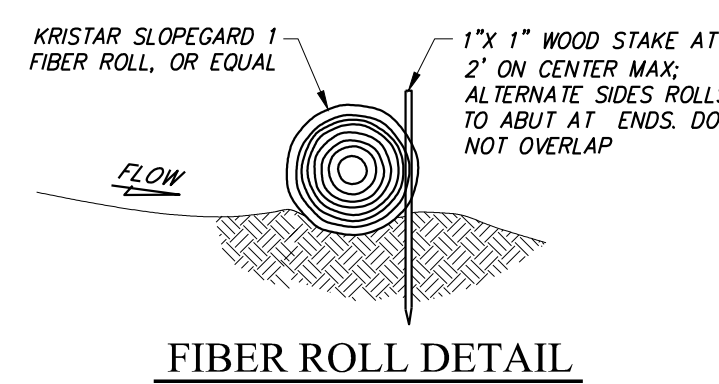
RODRICK H. HAWKINS  
 RCE 5018R, PLS 9489  
 SYM. DATE DESCRIPTION OF REVISION APPD.  
 811  
 Know what's below  
 Call before you dig  
 BY: MVP  
 CHK: R. HAWKINS  
 DATE: 2023/11/13  
**HAWKINS & ASSOCIATES ENGINEERING, INC.**  
 436 MITCHELL ROAD  
 MODESTO, CA. 95354  
 PH: (209) 575 - 4295  
 FX: (209) 578 - 4295  
**CONSTRUCTION DETAILS SHEET**  
 ON-SITE IMPROVEMENT PLANS FOR:  
**WATERFORM MINI STORAGE**  
 A.P.N. 080-035-008  
 WATERFORD, CALIFORNIA  
 REGISTERED PROFESSIONAL ENGINEER  
 RODRICK H. HAWKINS  
 No. 59189  
 CIVIL  
 STATE OF CALIFORNIA  
 DATE:  
 SHEET  
**C10**  
 OF  
 11  
 3603.00

**GENERAL EROSION CONTROL NOTES**

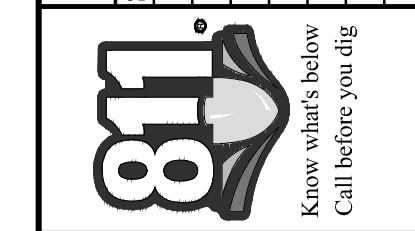
- CONSTRUCTION SITES ARE COMMON SOURCES OF STORM WATER POLLUTION. MATERIALS AND WASTES THAT BLOW OR WASH INTO A STORM DRAIN, GUTTER, OR STREET HAVE A DIRECT IMPACT ON STORM WATER POLLUTION. THE CONTRACTOR OR OWNER MAY BE RESPONSIBLE FOR ENVIRONMENTAL DAMAGE CAUSED BY SUBCONTRACTORS OR EMPLOYEES.
- COVER EXPOSED PILES OF SOIL OR CONSTRUCTION MATERIALS WITH PLASTIC SHEETING OR TEMPORARY ROOFS. BEFORE IT RAINS, SWEEP AND REMOVE MATERIALS FROM SURFACES THAT MAY CONTRIBUTE STORM WATERS TO STORM DRAIN FACILITIES.
- KEEP POLLUTANTS OFF EXPOSED SURFACES. PLACE TRASH CANS AND RECYCLING BINS AROUND THE SITE TO MINIMIZE LITTER.
- CLEAN UP LEAKS, DRIPS AND OTHER SPILLS IMMEDIATELY SO THEY DO NOT CONTAMINATE SOIL OR GROUNDWATER OR LEAVE RESIDUE ON PAVED SURFACES.
- COVER AND MAINTAIN DUMPSTERS. CHECK FREQUENTLY FOR LEAKS. PLACE DUMPSTERS UNDER ROOFS OR COVER WITH TARPS OR PLASTIC SHEETING SECURED TO THEM. NEVER CLEAN OUT A DUMPSTER BY HOISING IT DOWN ON THE CONSTRUCTION SITE.
- MAINTAIN PORTABLE TOILETS IN GOOD WORKING ORDER. INSPECT FREQUENTLY FOR LEAKS.
- REMOVE ANY EXISTING VEGETATION ONLY WHEN ABSOLUTELY NECESSARY.
- PROTECT DOWNSLOPE DRAINAGE COURSES, AND STORM DRAINS WITH "WATTLES", SILT FENCES, OR DIRT BERMS AS NECESSARY.
- USE CHECK DAMS OR DITCHES TO DIVERT RUNOFF AROUND EXCAVATIONS.
- PRACTICE SOURCE REDUCTION - MINIMIZE WASTE WHEN YOU ORDER MATERIALS. SUPPLY ONLY SUCH QUANTITIES NECESSARY TO COMPLETE THE JOB.
- USE RECYCLABLE MATERIALS WHENEVER POSSIBLE.
- DISPOSE OF ALL WASTES PROPERLY. MANY CONSTRUCTION MATERIALS AND WASTES, INCLUDING SOLVENTS, WATER BASED PAINTS, BROKEN ASPHALT, CONCRETE, WOOD, AND VEGETATION CAN BE RECYCLED. MATERIALS THAT CANNOT BE RECYCLED MUST BE TAKEN TO AN APPROPRIATE LANDFILL OR DISPOSED OF AS HAZARDOUS WASTE. NEVER BURY WASTE MATERIALS OR LEAVE THEM IN STREETS OR NEAR STORM DRAIN FACILITIES.
- DESIGNATE ONE AREA OF THE CONSTRUCTION SITE, WELL AWAY FROM STORM DRAIN INLETS, FOR AUTO AND EQUIPMENT PARKING. AS PRACTICAL, REFUELING AND ROUTINE VEHICLE AND EQUIPMENT MAINTENANCE TO BE OFF-SITE AT APPROPRIATE SERVICE CENTERS.
- MAINTAIN ALL VEHICLES AND HEAVY EQUIPMENT. INSPECT FREQUENTLY.
- PERFORM MAJOR MAINTENANCE, REPAIR, AND VEHICLE/EQUIPMENT WASHING OFF-SITE.
- DO NOT USE DIESEL OIL TO LUBRICATE EQUIPMENT OR PARTS.
- NEVER HOSE DOWN "DIRTY" PAVEMENT OR IMPERMEABLE SURFACES WHERE FLUIDS HAVE SPILLED. USE DRY CLEANUP METHODS (ABSORBENT MATERIALS, CAT LITTER, RAGS, ETC.) WHEN POSSIBLE. IF WATER MUST BE USED, USE JUST ENOUGH TO KEEP THE DUST DOWN.
- SWEEP UP SPILLED DRY MATERIALS IMMEDIATELY. NEVER ATTEMPT TO "WASH THEM AWAY" WITH WATER, OR BURY THEM. USE AS LITTLE WATER AS POSSIBLE FOR DUST CONTROL.
- CLEAN SPILLS ON DIRT AREAS BY EXCAVATION AND DISPOSAL OF CONTAMINATED SOILS.
- REPORT SIGNIFICANT SPILLS TO THE APPROPRIATE SPILL RESPONSE AGENCIES IMMEDIATELY.
- AVOID CREATING EXCESS DUST WHEN BREAKING ASPHALT OR CONCRETE.
- MAKE SURE BROKEN PAVEMENT DOES NOT COME IN CONTACT WITH RAINFALL OR RUNOFF.
- SHOVEL OR VACUUM SAW-CUT SLURRY AND REMOVE FROM THE SITE. COVER OR BARRICADE STORM DRAIN DURING SAW-CUTTING AS NECESSARY.
- STORE BOTH DRY AND WET MATERIALS UNDER COVER, PROTECTED FROM RAINFALL AND RUNOFF. PROTECT DRY MATERIALS FROM WIND.
- SECURE BAGS OF CEMENT AFTER THEY ARE OPEN. BE SURE TO KEEP WIND-BLOWN CEMENT POWDER AWAY FROM GUTTERS, STORM DRAINS, RAINFALL, AND RUNOFF.
- WASH OUT CONCRETE MIXERS ONLY IN DESIGNATED ON-SITE WASH-OUT AREAS. WHERE POSSIBLE, RECYCLE WASHOUT BY PUMPING BACK INTO MIXERS FOR REUSE. NEVER DISPOSE OF WASHOUT INTO STREETS, STORM DRAINS, DRAINAGE DITCHES OR BASINS.
- WHEN CLEANING UP AFTER CONCRETE POURS, WASH FINES ONTO DIRT AREAS, NOT DOWN DRIVEWAYS, STREETS, OR STORM DRAINS.
- PLACE "WATTLES" OR OTHER EROSION CONTROL DOWN-SLOPE TO CAPTURE RUNOFF CARRYING MORTAR OR CEMENT BEFORE IT REACHES THE STORM DRAIN.
- WHEN BREAKING UP PAVING, THOROUGHLY CLEAR ALL PIECES AND DISPOSE PROPERLY. RECYCLE LARGE CHUNKS OF BROKEN CONCRETE AT A LANDFILL. DISPOSE OF SMALL AMOUNTS OF EXCESS DRY CONCRETE, GROUT, AND MORTAR AT AN APPROVED DUMP SITE.
- THE PROJECT PROPONENT SHALL SUBMIT A CONSTRUCTION BEST MANAGEMENT PRACTICES (BMP'S) PROGRAM FOR REVIEW AND APPROVAL BY THE COMMUNITY DEVELOPMENT DIRECTOR PRIOR TO ISSUANCE OF BUILDING AND/OR GRADING PERMITS. THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS AND SUPPLIERS OF MATERIALS AND EQUIPMENT SHALL IMPLEMENT THESE BMP'S, WHICH SHALL CONSIST OF AT LEAST BUT NOT BE LIMITED TO THE FOLLOWING MEASURES DURING ALL PHASES OF THE PROJECT:
  - GATHERING OF ALL CONSTRUCTION AND OTHER DEBRIS ON A DAILY BASIS AND PLACING IT IN A DUMPSTER OR OTHER CONTAINER WHICH IS EMPTIED OR REMOVED ON A WEEKLY OR AS NEEDED BASIS. WHEN APPROPRIATE, USE OF TARPS ON THE GROUND TO COLLECT FALLEN DEBRIS OR 'SPILLERS' THAT COULD CONTRIBUTE TO STORM WATER RUNOFF POLLUTION.
  - REMOVAL OF ALL DIRT, GRAVEL, RUBBISH REFUSE, AND GREEN WASTE FROM THE STREET PAVEMENT AND STORM DRAINS ADJOINING THE SITE. LIMIT OF CONSTRUCTION ACCESS ROUTES ONTO THE SITE AND PLACING OF GRAVEL ON THEM. NOT DRIVING VEHICLES AND EQUIPMENT OFF PAVED OR GRAVELED AREAS DURING WET WEATHER. "BROOM SWEEP" OF THE STREET PAVING ADJOINING THE PROJECT SITE ON A DAILY BASIS. SCRAPING OF CAKED-ON MUD AND DIRT FROM THESE AREAS BEFORE SWEEPING.
  - INSTALLATION OF FILTER MATERIALS (SUCH AS SANDBAGS, FILTER FABRIC, ETC.) AT THE STORM DRAIN INLET NEAREST THE DOWNSLOPE SIDE OF THE PROJECT SITE IN ORDER TO RETAIN ANY DEBRIS OR DIRECT FLOWING IN THE STORM DRAIN SYSTEM. FILTER MATERIALS WILL ALSO BE PLACED AROUND EACH JOBSITE. MAINTAINING AND/OR REPLACING FILTER MATERIALS TO ENSURE EFFECTIVENESS AND TO PREVENT STREET FLOODING.
  - CREATING A CONTAINED AND COVERED AREA ON THE SITE FOR THE STORAGE OF BAGS, CEMENT, PAINTS, OILS, FERTILIZERS, PESTICIDES, OR OTHER MATERIALS USED ON THE SITE THAT HAVE THE POTENTIAL OF BEING DISCHARGED INTO THE STORM DRAIN SYSTEM THROUGH BEING WINDBLOWN OR IN THE EVENT OF A MATERIAL SPILL.
  - NEVER CLEANING MACHINERY, EQUIPMENT, TOOLS, BRUSHES, OR RINSE CONTAINERS INTO A STREET, GUTTER OR STORM DRAIN.
  - ENSURING THAT CONCRETE/GUINTE SUPPLY TRUCKS OR CONCRETE/PLASTER OPERATIONS DO NOT DISCHARGE WASH WATER INTO STREET, GUTTERS, OR STORM DRAINS.
  - ENSURING ALL PORTABLE TOILETS USED DURING CONSTRUCTION ARE TO BE KEPT AS FAR AS POSSIBLE EXISTING RESIDENCES AND ARE EMPTIED ON A REGULAR BASIS TO PREVENT ODOUR.

**LEGEND**

-  AREA OF PROPOSED CONCRETE (SEE SPECIFICATIONS ON GRADING PLAN)
-  AREA OF PROPOSED PAVEMENT (SEE SPECIFICATIONS ON GRADING PLAN)
-  FIBER ROLL (SEE DETAIL THIS SHEET)
-  CATCH BASIN STORM POLLUTION PROTECTION PLACE GRAVEL BAGS AROUND PERIMETER AND GEO FABRIC UNDERGRADE (TYPE 3, SC-10)
-  CONCRETE WASTE MANAGEMENT (SEE WM-8) PER CALTRANS STORM WATER QUALITY HANDBOOK - 2012
-  ROCK BAGS




SYM.	DATE	DESCRIPTION OF REVISION	APPD.

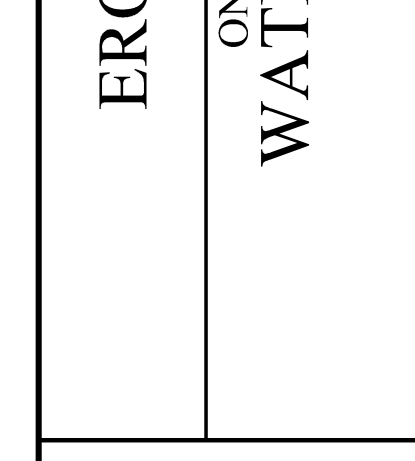


BY: MVP  
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 DATE: 2023/11/13

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**EROSION CONTROL PLAN**  
 ON-SITE IMPROVEMENT PLANS FOR:  
**WATERFORM MINI STORAGE**  
 A.P.N. 080-035-008  
 WATERFORD, CALIFORNIA



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