

ADULT DAY CARE

PROJECT ADDRESS AT
598 S66th Street, San Diego CA 92114

CIVIL

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ZONING:	FILLED BY CLIENT.
LEGAL DESCRIPTION:	FILLED BY CLIENT.
PARCEL NUMBER:	FILLED BY CLIENT.
TYPE OF CONSTRUCTION:	FILLED BY CLIENT.
LOT SIZE:	22,384 SQ.FT
PROPOSED PARKING:	

26 STALLS
2 HANDICAP
28 TOTAL STALLS

IMPERVIOUS AREA:	
BUILDING FOOTPRINT:	8,282 SQ.FT
PARKING AND DRIVEWAY:	16,246 SQ.FT
TOTAL:	21,197 SQ.FT

PERVIOUS AREA:	
TOTAL:	5,142 SQ.FT

PROPOSED SITE MAP



SITE LOCATION

LEGEND

EXISTING	DESCRIPTION	PROPOSED
	MAJOR CONTOUR	
	MINOR CONTOUR	
	EDGE OF PAVEMENT	
	CURB AND GUTTER	
	PROPERTY LINE	
	RIGHT-OF-WAY	
	CENTERLINE	
	15' SETBACK	
	FENCE LINE	
	EASEMENT	
	WATER LINE	
	SANITARY SEWER	
	STORM DRAIN	
	ELECTRIC SERVICE	
	TELEPHONE SERVICE	
	GAS LINE	
	SPOT ELEVATION	
	UTILITY POLE	

ABBREVIATIONS

J.B.	-- JUNCTION BOX	SNE -- SHEET
Ø	-- DIAMETER	SPECS. -- SPECIFICATIONS
L.	F. -- LINEAR FEET	S.B. -- SANITARY SEWER
M.H.	-- MANHOLE	STA. -- STATION
MON.	-- MONUMENT	511). -- STANDARD
N.	I.C. -- NOT IN CONTRACT	S.W. -- SIDEWALK
N.T.S.	-- NOT TO SCALE	T.B.M. -- TEMPORARY BENCH MARK
O.E.	-- OVERHEAD ELECTRIC	T.C./T.O.C. -- TOP OF CURB
O.T.	-- OVERHEAD TELEPHONE	THK -- THICK
PL --	PROPERTY UNE	TRANS. -- TRANSFORMER
P.P.	-- POWER POLE	T.W. -- TOP OF WALL
P.V.C.	-- POLYVINYL CHLORIDE	1W. -- TYPICAL
R --	RADIUS	U.E. -- UTILITY EASEMENT
R.C.P.	-- REINFORCED CONCRETE PIPE	U.G.E. -- UNDERGROUND ELECTRIC
REINF.	-- REINFORCED	U.G.T. -- UNDERGROUND TELEPHONE
R.O.W.	-- RIGHT OF WAY	V.C. -- VITRIFIED CLAY
R.W.	-- RETAINING WALL	VERT. -- VERTICAL
SECT.	-- SECTION	W/ -- WITH
S.F.	-- SQUARE FEET	W/O -- WITHOUT
		W.M. -- WATER METER
		W.W.F. -- WELDED WIRE FABRIC
		W.V. -- WATER VALVE

CONSTRUCTION NOTES:

- CONTRACTOR TO REMOVE ALL ROCK AND UNSUITABLE MATERIAL TO A DEPTH OF TWO FEET BELOW FINISHED GRADE OR AS DIRECTED BY A GEOTECHNICAL ENGINEER AND/OR THE OWNER/DEVELOPER.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL DEBRIS.
- EARTHWORK IN PERMANENT STRUCTURE AREAS SHALL BE COMPACTED TO A MINIMUM OF 95% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM SPEC. D -- 68) OR AS DIRECTED BY GEOTECHNICAL ENGINEER.
- ALL FILL AREAS TO BE PROOF ROLLED.
- CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE THAT MAY OCCUR TO ANY ADJACENT OR EXISTING STRUCTURES THAT ARE TO REMAIN.
- CONTRACTOR SHALL PROVIDE DUST CONTROL AND PROTECT ADJACENT STREETS FROM ACCUMULATION OF SOIL
- CONTRACTOR IS RESPONSIBLE FOR MONITORING DOWNSTREAM CONDITIONS THROUGHOUT THE CONSTRUCTION PERIOD AND CLEARING ANY DEBRIS AND SEDIMENT CAUSED BY THE CONSTRUCTION.

PERMIT AND PERMIT REQUIREMENTS:

THE CONTRACTOR SHALL OBTAIN COPIES OF ALL REGULATORY AGENCY PERMITS AND LOCAL AGENCY PERMITS. THE CONTRACTOR SHALL BE EXPECTED TO REVIEW AND ABIDE BY ALL THE REQUIREMENTS AND U MITATTONS SET FORTH IN THE PERMITS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE AGENCIES PRIOR TO BEGINNING WORK. ALL NEW ADVERTISING SIGNS SHALL BE UNDER SEPARATE PERMIT.

LAYOUT & CONTROL:

UNLESS OTHERWISE NOTED ON THE PLANS. THE CONTRACTOR SHALL USE THE GEOMETRY PROVIDED ON THE CONSTRUCTION PLANS. BENCHMARK INFORMATION SHALL BE PROVIDED TO THE CONTRACTOR BY THE OWNER'S SURVEYOR. ANY DISCREPANCIES BETWEEN FIELD MEASUREMENTS AND CONSTRUCTION PLAN INFORMATION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.

UNITS OF CONSTRUCTION:

THE CONTRACTOR IS EXPECTED TO CONTAIN ALL CONSTRUCTION ACTIVITIES WITHIN THE SITE LIMITS AT NO TIME SHALL THE CONTRACTOR DISTURB SURROUNDING PROPERTIES OR TRAVEL ON SURROUNDING PROPERTIES WITHOUT WRITTEN CONSENT FROM THE PROPERTY OWNER. ANY REPAIR OR RECONSTRUCTION OF DAMAGED AREAS IN SURROUNDING PROPERTIES SHALL BE REPAIRED BY THE CONTRACTOR ON AN IMMEDIATE BASIS. ALL COSTS FOR REPAIRS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND NO EXTRA COMPENSATION SHALL BE PROVIDED.

GENERAL DESIGN INTENT:

ALL PAVED SURFACES AND ADJACENT SECTIONS SHALL BE GRADED TO DRAIN POSITIVELY IN THE DIRECTION SHOWN BY THE FLOW ARROWS AND SPOT ELEVATIONS ON THE PLANS AND TO PROVIDE A SMOOTH TRANSITION BETWEEN SURFACES WITH NO SHARP BREAKS IN GRADE AND NO UNUSUALLY STEEP OR REVERSE CROSS SLOPES. IT MAY BECOME ADVISABLE TO MAKE MINOR FIELD ADJUSTMENTS IN THE PROPOSED GRADES TO CONSTRUCT THE DESIGN INTENT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH THE ABOVE. THE ENGINEER SHALL BE CONSULTED SO THAT HE MAY MAKE ANY AND ALL INTERPRETATIONS OF THE PLANS OR GIVE SUPPLEMENTARY INSTRUCTIONS TO ACCOMPLISH THE INTENT OF THE PLANS.

MATERIAL STORAGE/DEBRIS REMOVAL:

ALL WASTE MATERIALS EXCAVATED FROM THE SITE SHALL BE REMOVED AND PROPERLY DISPOSED OF OFF SITE BY THE CONTRACTOR. MATERIALS SHALL BE STOCKPILED SEPARATELY AS TO USABLE (NON-ORGANIC) FILL STOCKPILES AND ORGANIC (MUCK) STOCKPILES CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVA. OF ALL UNSUITABLE FILL MATERIALS FROM THE SITE

EXCAVATION:

REMOVE ALL ORGANIC MATTER, STUMPS, DELETERIOUS MATTER, AND CONCRETE PAVING, FOUNDATIONS, ETC. WITHIN THE BUILDING PADS. PREDENSIFY WITH LOADED DUMP TRUCK (20-TON MINIMUM) OR OTHER SUITABLE RUBBER TIRED EQUIPMENT. OVERLAPPING PASSES OF THE VEHICLE SHALL BE MADE ACROSS THE SITE **IN** ONE DIRECTION AND **THEN** AT RIGHT ANGLES TO THE ORIGINAL DIRECTION OF ROLLING. ALL YIELDING, PUMPING, OR SOFT AREAS IN PAVED AREAS AND BUILDING PADS SHALL BE CUT OUT AND REPLACED WITH FILL COMPACTED AS SPECIFIED ON GRADING PLAN.

GRADING:

STRUCTURAL FILL MATERIAL REQUIRED TO BRING THE SITE TO GRADE SHALL BE UNITED TO SOILS CLASSIFIED IN ACCORDANCE WITH ASTM D2487 AS GM, GC, SW, SP, SM, SC, M1, AND CL. ON-SITE SOILS FROM CUT AREAS MAY BE SUITABLE FOR FILL MATERIAL.

TOPSOIL:

THE CONTRACTOR SHALL STOCKPILE AND LATER SPREAD A MINIMUM OF 6 INCHES OF TOPSOIL IN AREAS TO BE LANDSCAPED. SODDED OR SEEDED.

LANDSCAPING:

ALL LANDSCAPING SHALL BE DONE IN COMPLIANCE WITH THE COUNTY GUIDELINES

SURFACE DAMAGE

THE CONTRACTOR SHALL BE EXPECTED AT THE END OF EACH DAY TO HAVE THE SITE GRADED IN SUCH A WAY AS TO NOT CAUSE ANY ADVERSE IMPACT FROM RUNOFF OR SILTATION TO ANY ADJACENT PROPERTIES. SILT BARRIERS SHALL BE MAINTAINED AND REPAIRED IF REQUIRED AT THE END OF EACH WORKING DAY.

PAVEMENT SECTION REQUIREMENTS:

SUBGRADE PREPARATIONS AND PAVEMENT INSTALLATION SHALL CONFORM TO BAHAMAS STANDARDS AND SPECIFICATION. REFER TO DRAWINGS FOR REQUIRED PAVEMENT SECTIONS.

SIDEWALKS:

SIDEWALKS ARE TO BE CONSTRUCTED IN THE AREAS AS SHOWN ON THE CONSTRUCTION PLANS. THE SIDEWALK SHALL BE CONSTRUCTED OF 4" OF CONCRETE WITH A 28 -- DAY COMPRESSION STRENGTH OF 3,000 PSI. JOINTS SHALL BE EITHER TOOLED OR SAW CUT. HANDICAPPED RAMPS SHALL BE IN ACCORDANCE WITH ISLAND REGULATIONS FOR HANDICAP ACCESSIBILITY.

GENERAL UTILITIES:

- INSTALLATION OF ALL UTILITIES SHALL CONFORM **TO** THE LOCAL GOVERNING AGENCIES STANDARDS & SPECIFICATIONS.
- COORDINATE WATER CONNECTIONS WITH PLUMBING CONTRACTOR & REFER TO PLUMBING PLANS.
- THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THE PLANS HAVE BEEN DETERMINED FROM THE INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONFIDENCE OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY. PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITY IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE VARIOUS UTILITIES AND TO MAKE THE NECESSARY
- ARRANGEMENTS FOR ANY RELOCATIONS OF THESE UTILITIES WITH THE OWNER OF THE UTILITY. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN CROSSING AN UNDERGROUND UTILITY WHETHER SHOWN ON THE PLANS OR LOCATED BY THE UTILITY COMPANY. ALL UTILITIES THAT INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL BE RELOCATED BY THE RESPECTIVE UTILITY COMPANY AND THE CONTRACTOR SHALL COOPERATE WITH THEM DURING THE RELOCATION OPERATION. ANY DELAY OR INCONVENIENCE CAUSED TO THE CONTRACTOR BY THE RELOCATION OF VARIOUS UTILITIES SHALL BE INCIDENTAL TO THE CONTRACT AND NO EXTRA COMPENSATION WILL BE ALLOWED.

WATER LINES:

WATER MAIN SHALL BE CONSTRUCTED AS SHOWN ON THE CONSTRUCTION PLANS SERVICE LINE SHALL BE PVC SDR-- 21. INSTALLATION OF WATER PIPE SHALL CONFORM TO THE LOCAL GOVERNING AGENCIES STANDARDS & SPECIFICATIONS.

InnoDez

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- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL NECESSARY TEMPORARY SUPPORT TO THE BUILDING AND ANY ADJACENT STRUCTURES

CLIENT:

ADDRESS: 598 S66th Street, San
Diego CA 92114

PROJECT: ADULT DAY CARE

TITLE: COVER SHEET

PROJ.	NO. PROJ.	ENGR.	SCALE:
		JA	NA

DRAWING NO.	REV.
C-01	



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CLIENT:

ADDRESS:
598 S66th Street, San
Diego CA 92114

PROJECT:
ADULT DAY CARE

TITLE:
EXISTING SITE PLAN

PROJ. NO.	PROJ. ENGR.	SCALE:
	JA	1"-10'

DRAWING NO.	REV.
C-02	



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ADDRESS:

598 S66th Street, San
Diego CA 92114

PROJECT:

ADULT DAY CARE

TITLE:

PROPOSED SITE PLAN

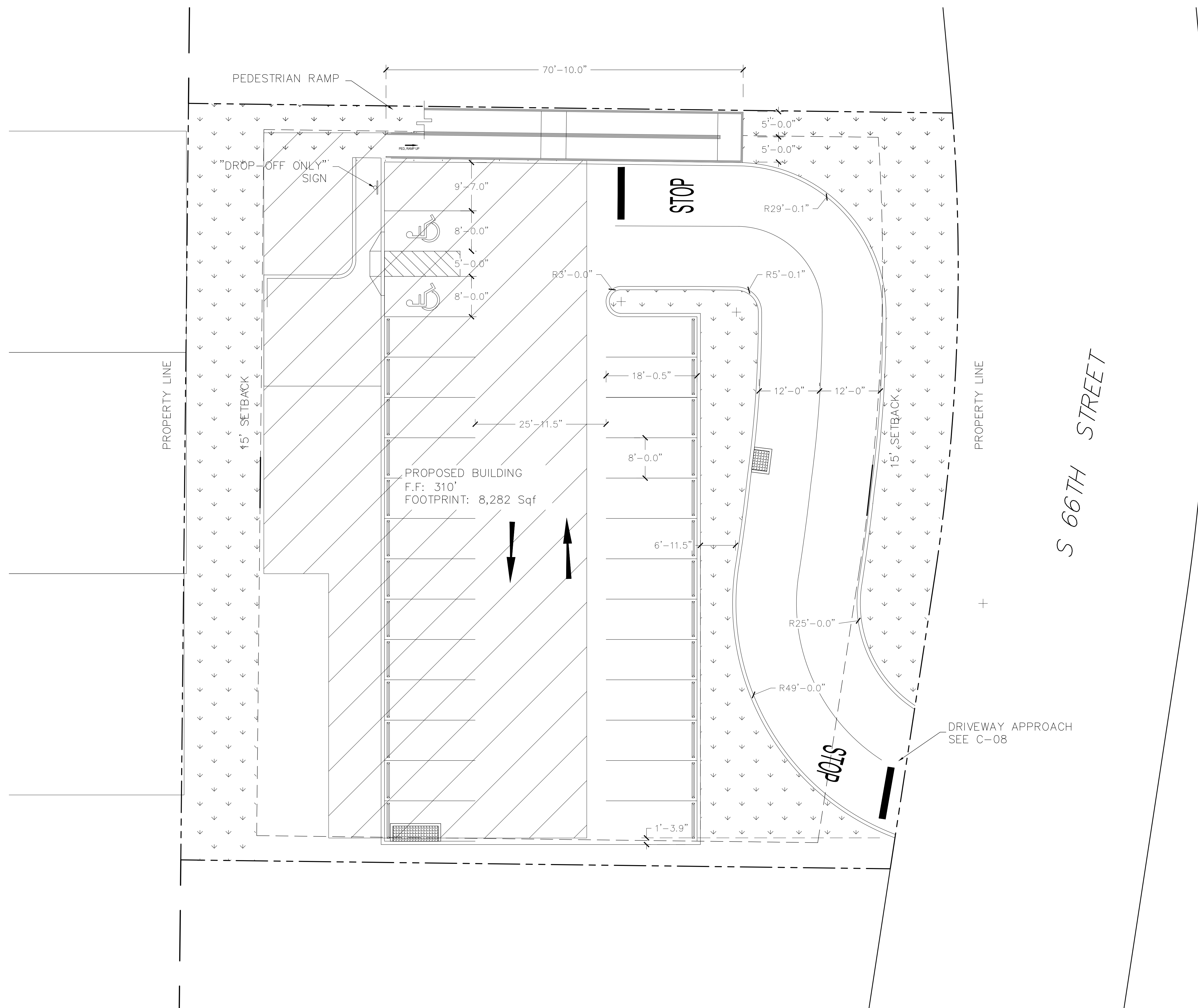
PROJ.	NO.PROJ. ENGR.
	JA

SCALE:	1"-10'
--------	--------

DRAFTING NO.

C-03

REV.



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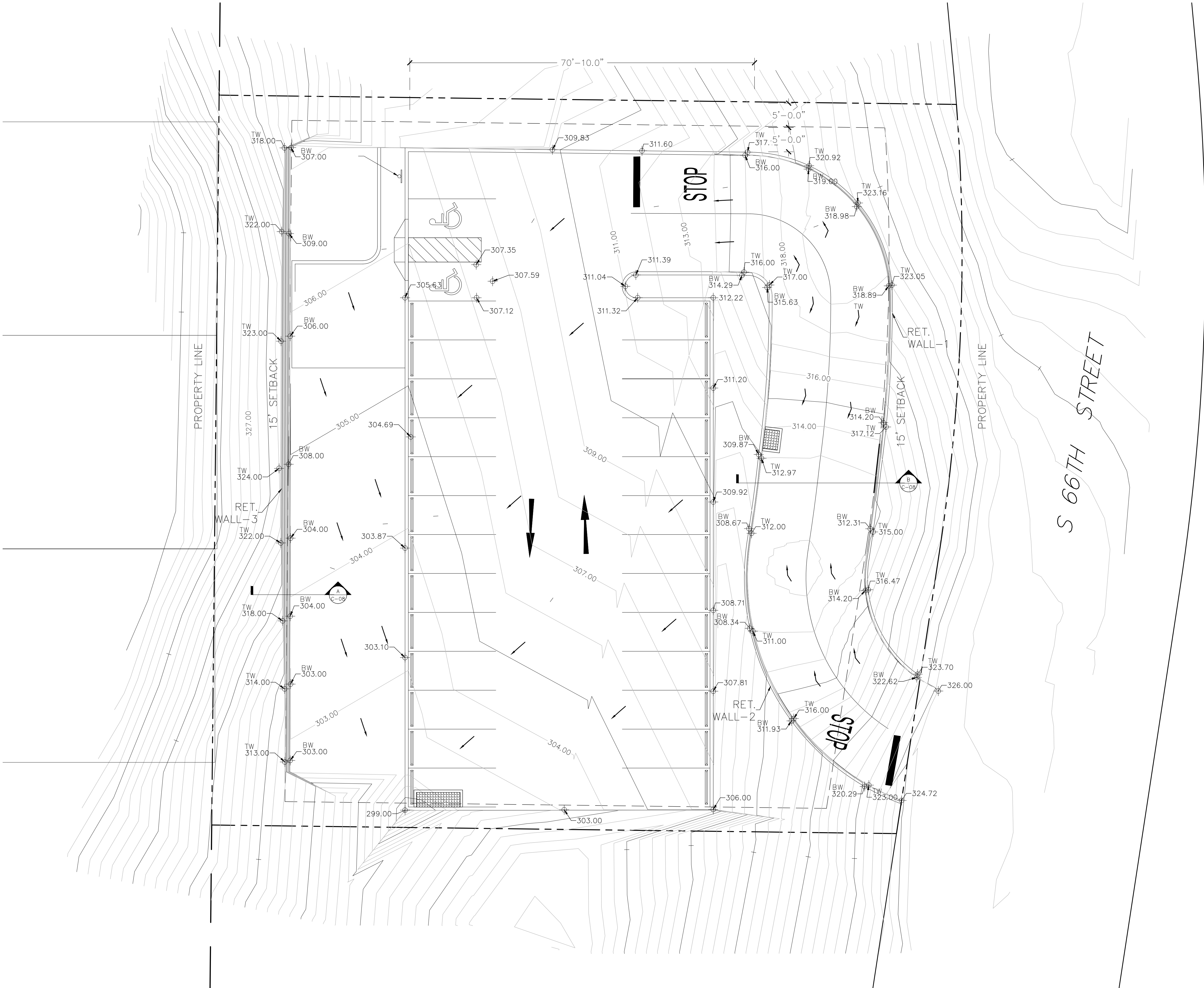
ADDRESS:
**598 S66th Street, San
Diego CA 92114**

PROJECT:
ADULT DAY CARE

TITLE:
GRADING SITE PLAN

PROJ.	NO.	PROJ. ENGR.	SCALE:
		JA	1"-10'

DRAWING NO.	REV.
C-04	



EXISTING DRAINAGE

Subbasin Sub-01				
Soil/Surface Description	Area (ft²)	Soil Group	Runoff Coeff.	
Cultivated Land, less than 25 years	21999.93	D (6%+)	0.31	
Composite Area & Weighted Runoff Coeff.	21999.93		0.31	

Kirpich Time of Concentration Computations Report

$T_c = (0.0078 * (L^{0.77}) * (S^{-0.385}))$
Where:
 T_c = Time of Concentration (min)
 L = Flow length (ft)
 S = Slope (ft/ft)

Subbasin Sub-01				
Flow length (ft):	50.00			
Slope (%):	5.00			
Computed TOC (minutes):	0.50			

Subbasin Runoff Summary

Subbasin ID	Accumulated Precip in	Rainfall Intensity in/hr	Total Runoff in	Peak Runoff cfs	Weighted Runoff Coeff	Time of Concentration days hh:mm:ss
Sub-01	0.07	8.00	0.02	1.25	0.310	0 00:00:30

PROPOSED DRAINAGE

Runoff Coefficient Computations Report

Subbasin Sub-01				
Soil/Surface Description	Area (ft²)	Soil Group	Runoff Coeff.	
Streets, less than 25 years	2600.00	D (6%+)	0.78	
Cultivated Land, less than 25 years	1700.01	D (6%+)	0.31	
Composite Area & Weighted Runoff Coeff.	4300.01		0.59	

Subbasin Sub-02				
Soil/Surface Description	Area (ft²)	Soil Group	Runoff Coeff.	
Commercial, less than 25 years	11946.85	D (6%+)	0.72	
Composite Area & Weighted Runoff Coeff.	11946.85		0.72	

Subbasin Sub-03				
Soil/Surface Description	Area (ft²)	Soil Group	Runoff Coeff.	
Cultivated Land, less than 25 years	5752.99	D (6%+)	0.31	
Composite Area & Weighted Runoff Coeff.	5752.99		0.31	

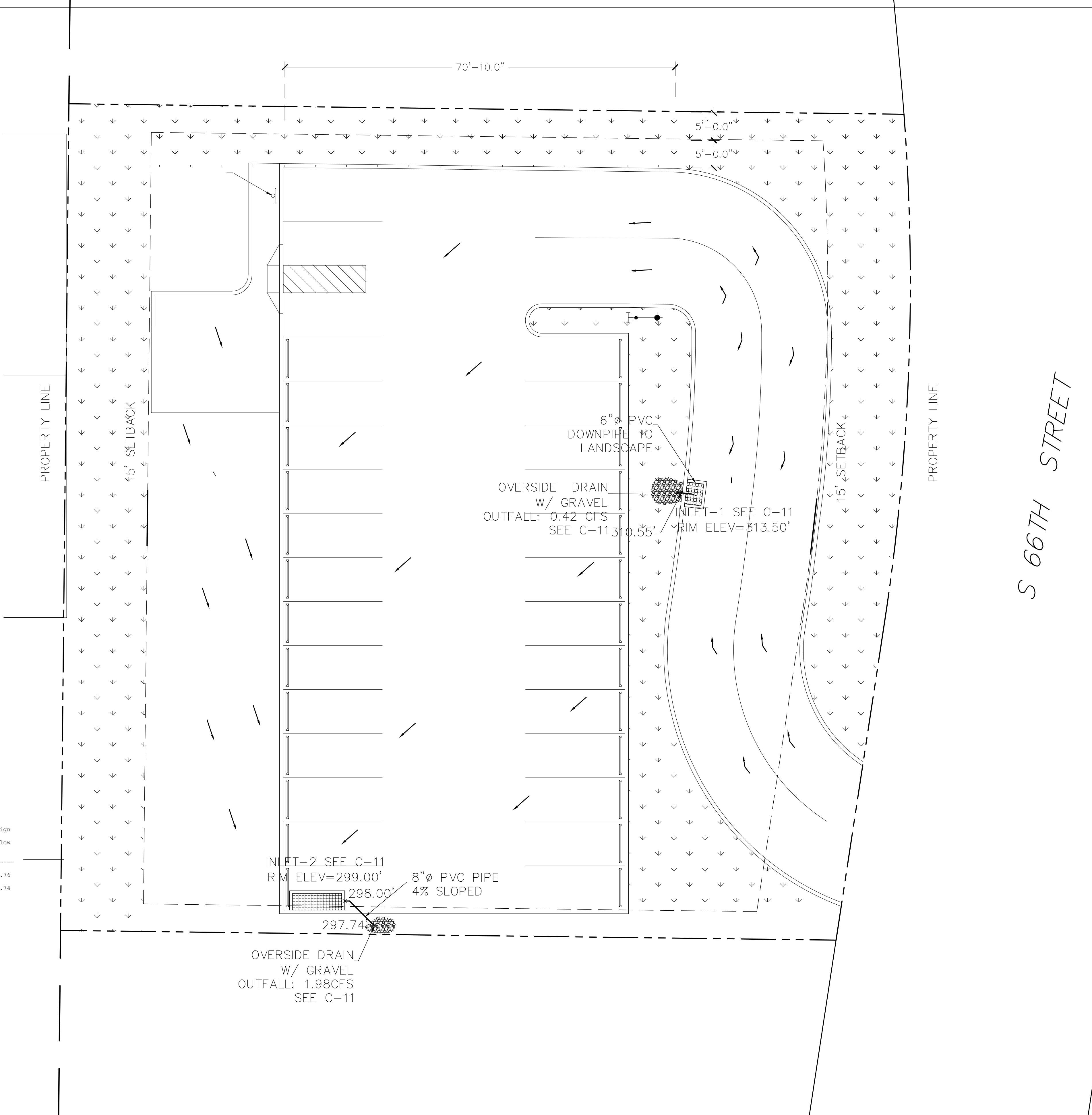
Subbasin Runoff Summary

Subbasin ID	Accumulated Precip in	Rainfall Intensity in/hr	Total Runoff in	Peak Runoff cfs	Weighted Runoff Coeff	Time of Concentration days hh:mm:ss
Sub-01	0.07	8.00	0.04	0.47	0.590	0 00:00:30
Sub-02	0.11	8.00	0.08	1.58	0.720	0 00:00:50
Sub-03	0.96	8.00	0.30	0.33	0.310	0 00:07:10

Maximum Flow	Time Surcharged	Condition	Occurrence	Attained	Analysis	Capacity	/Design
Depth	minutes		days hh:mm	ft/sec	cfs	cfs	Flow
Link-01	0.65	0	CONDUIT	0 00:00	7.19	1.00	0.42
Link-02	0.64	0	CONDUIT	0 00:01	6.65	1.00	2.12

Outfall Loading Summary

Outfall Node ID	Flow Frequency	Average Flow (%)	Peak Inflow cfs
Out-01	0.00	0.16	0.42
Out-02	0.00	0.68	1.56
System	0.00	0.85	1.80



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CLIENT:

ADDRESS: 598 S66th Street, San Diego CA 92114

PROJECT: ADULT DAY CARE

TITLE: DRAINAGE PLAN

PROJ. NO. PROJ. ENGR. SCALE: JA 1"-10'

DRAWING NO. REV.

C-05

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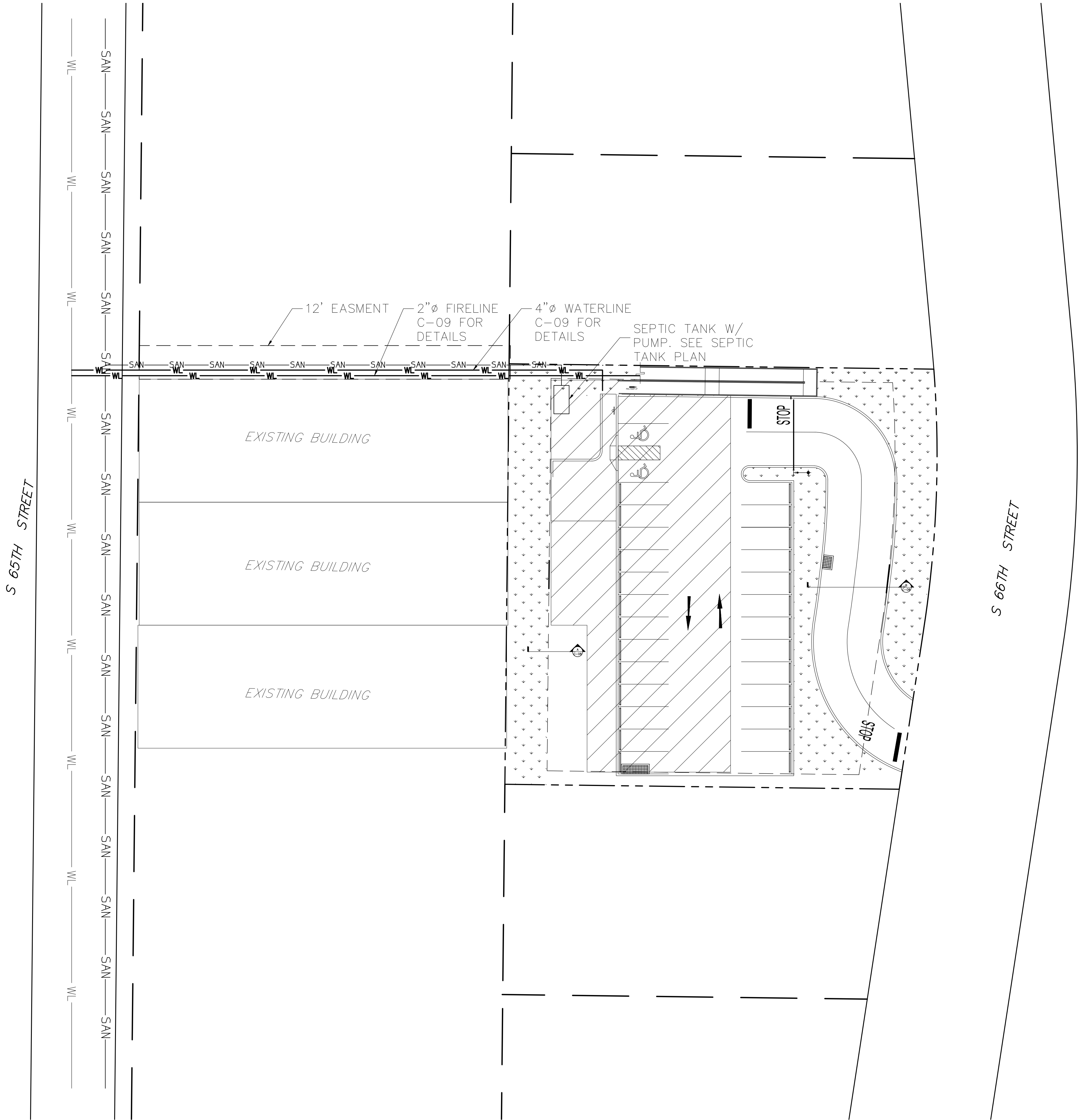
ADDRESS:
**598 S66th Street, San
Diego CA 92114**

PROJECT:
ADULT DAY CARE

TITLE:
UTILITY PLAN

PROJ. NO.	PROJ. ENGR.	SCALE:
	JA	1"=20'

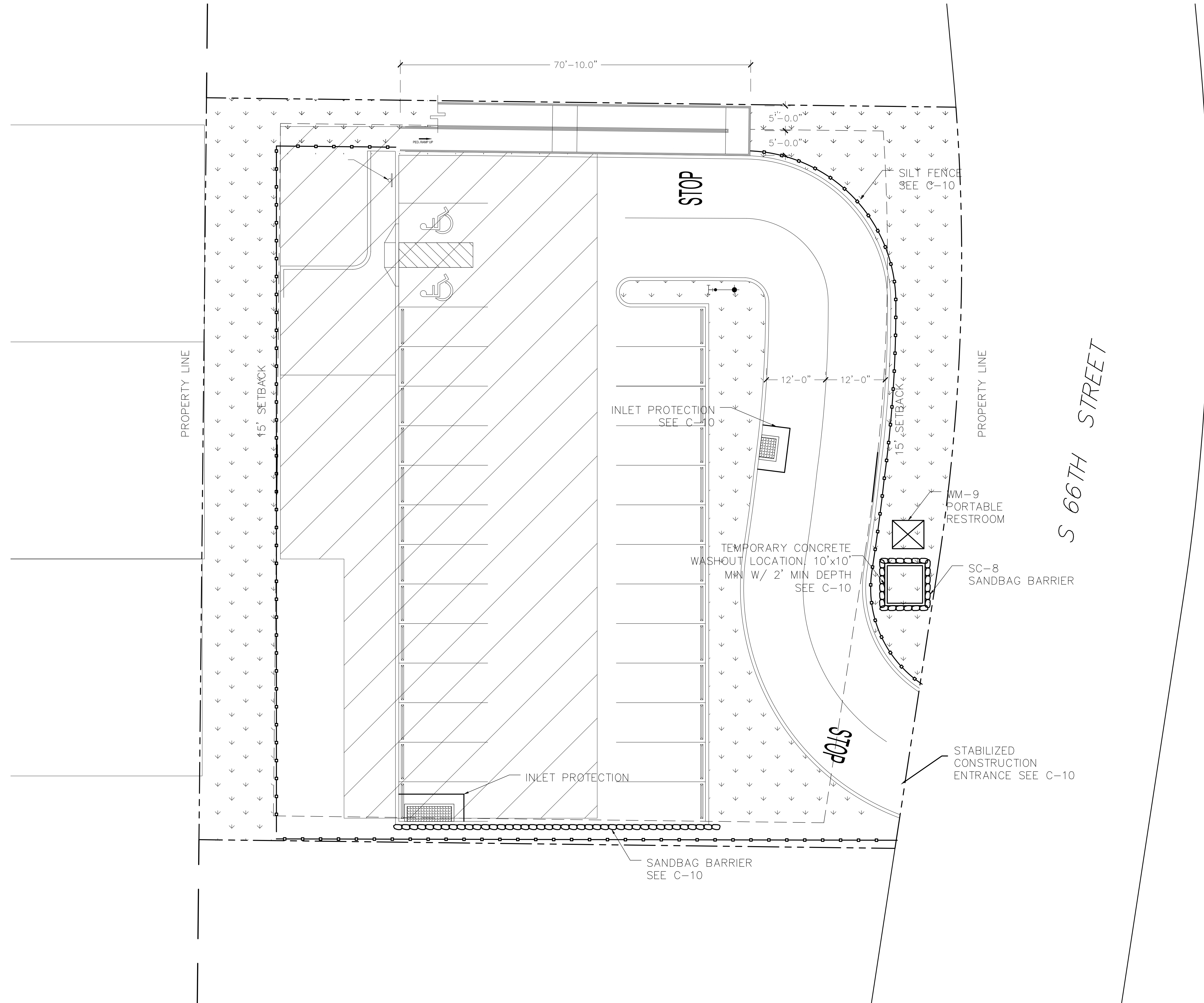
DRAWING NO.	REV.
C-06	

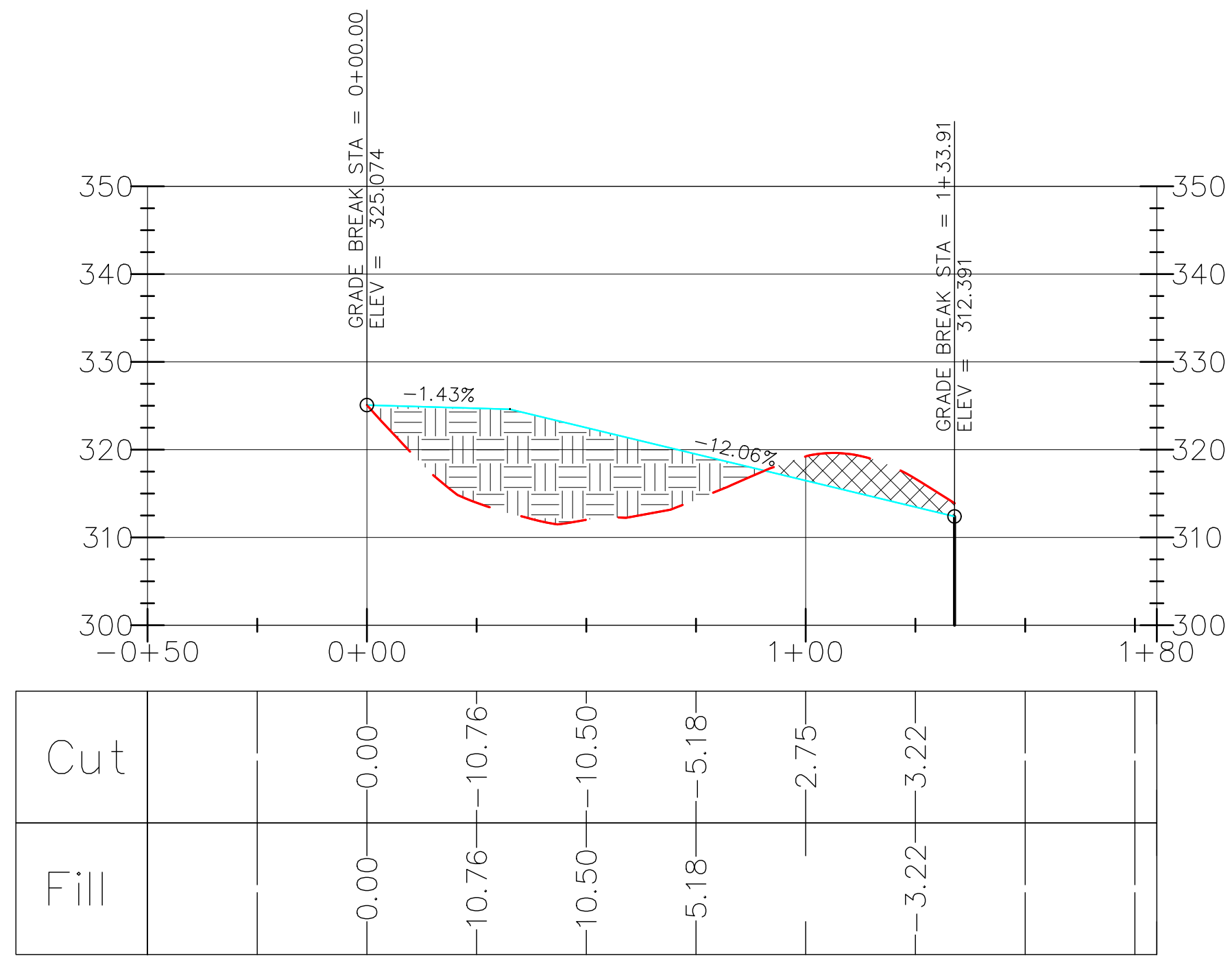




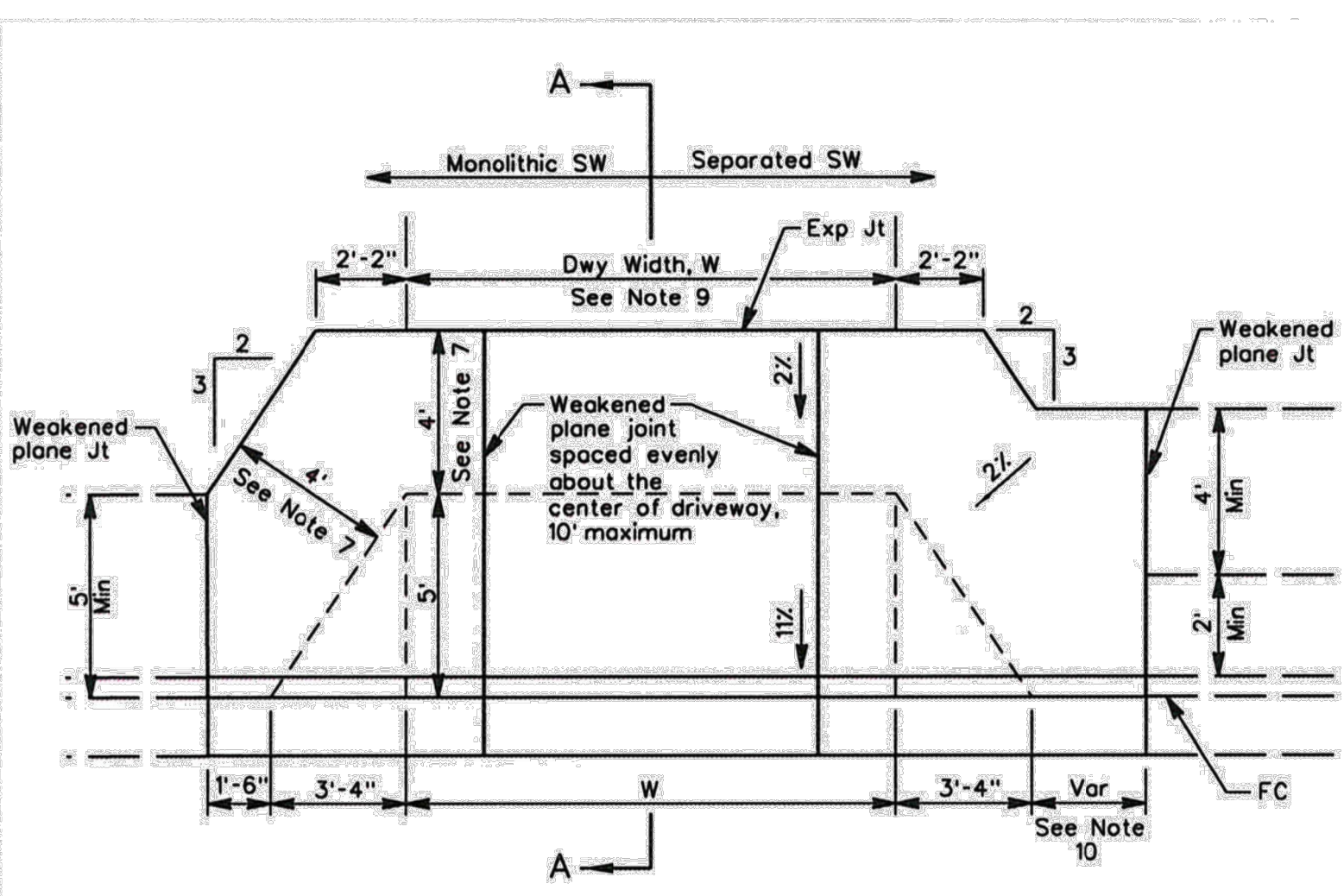
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REV.

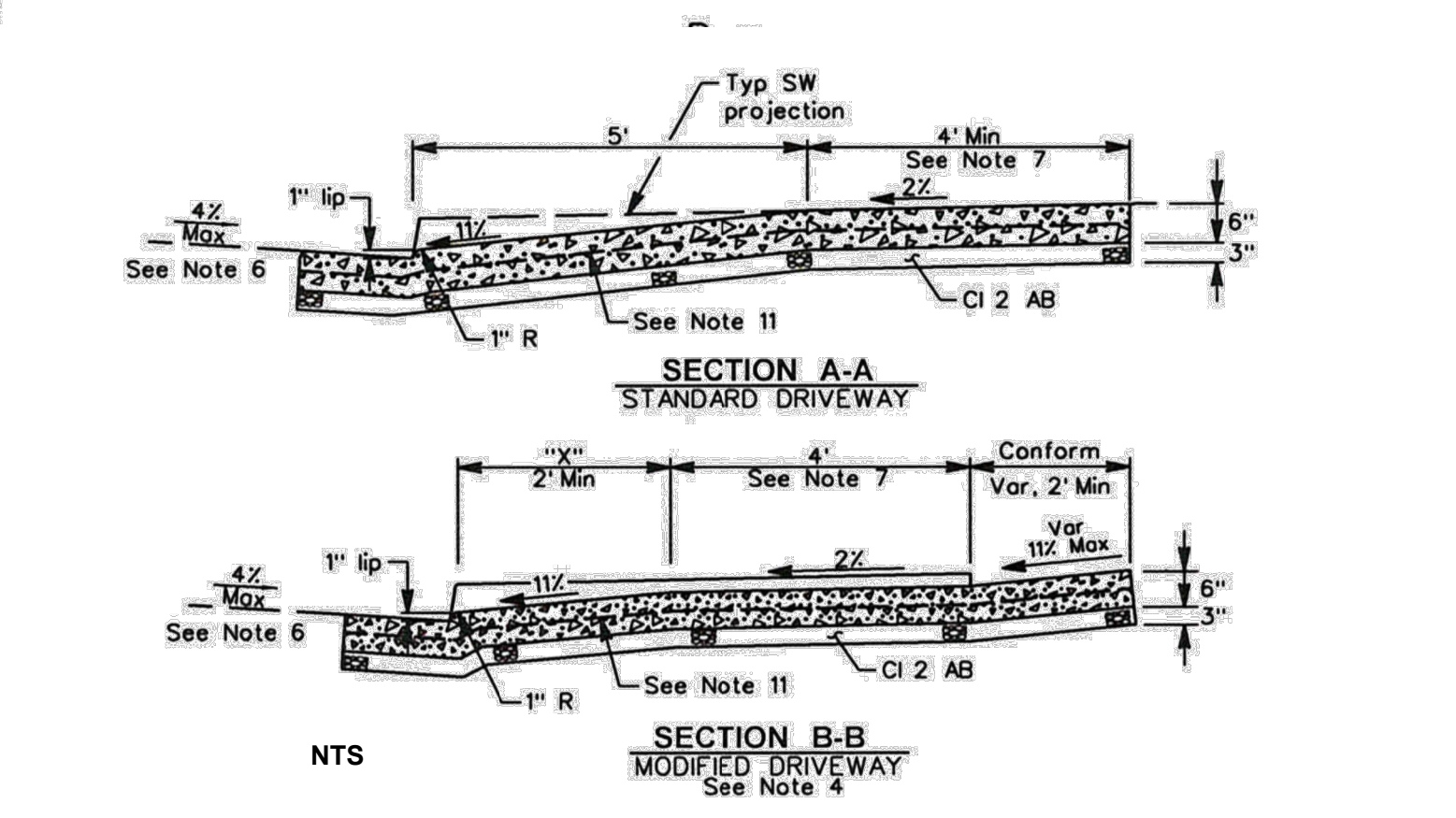




ROAD PROFILE
SCALE: 1:40

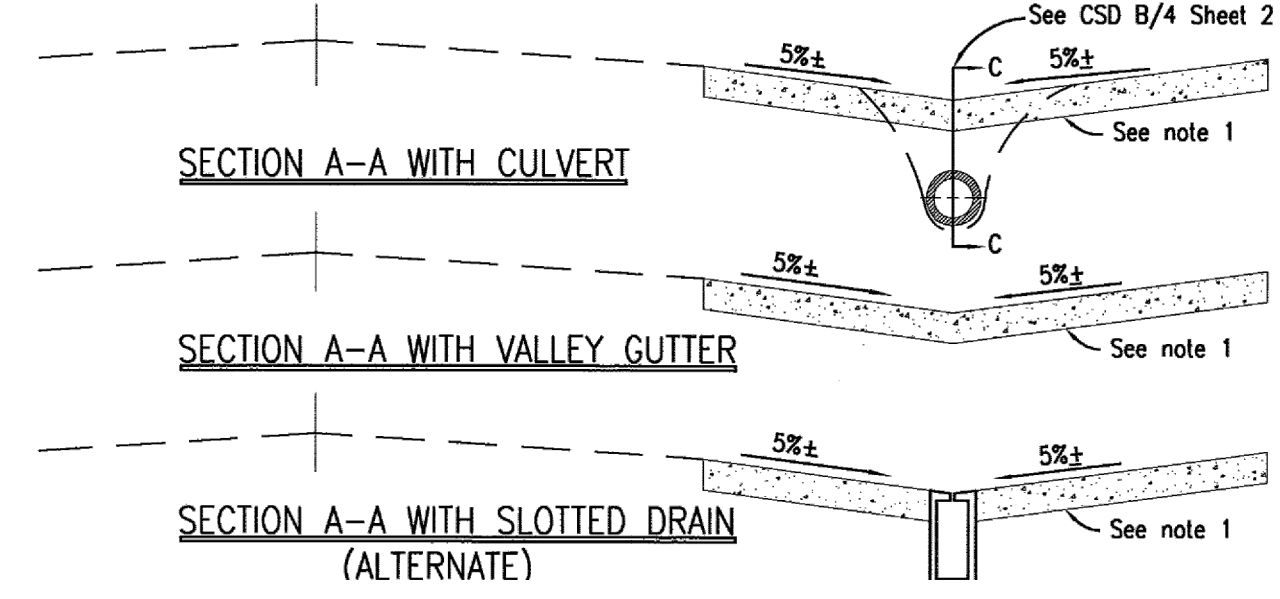
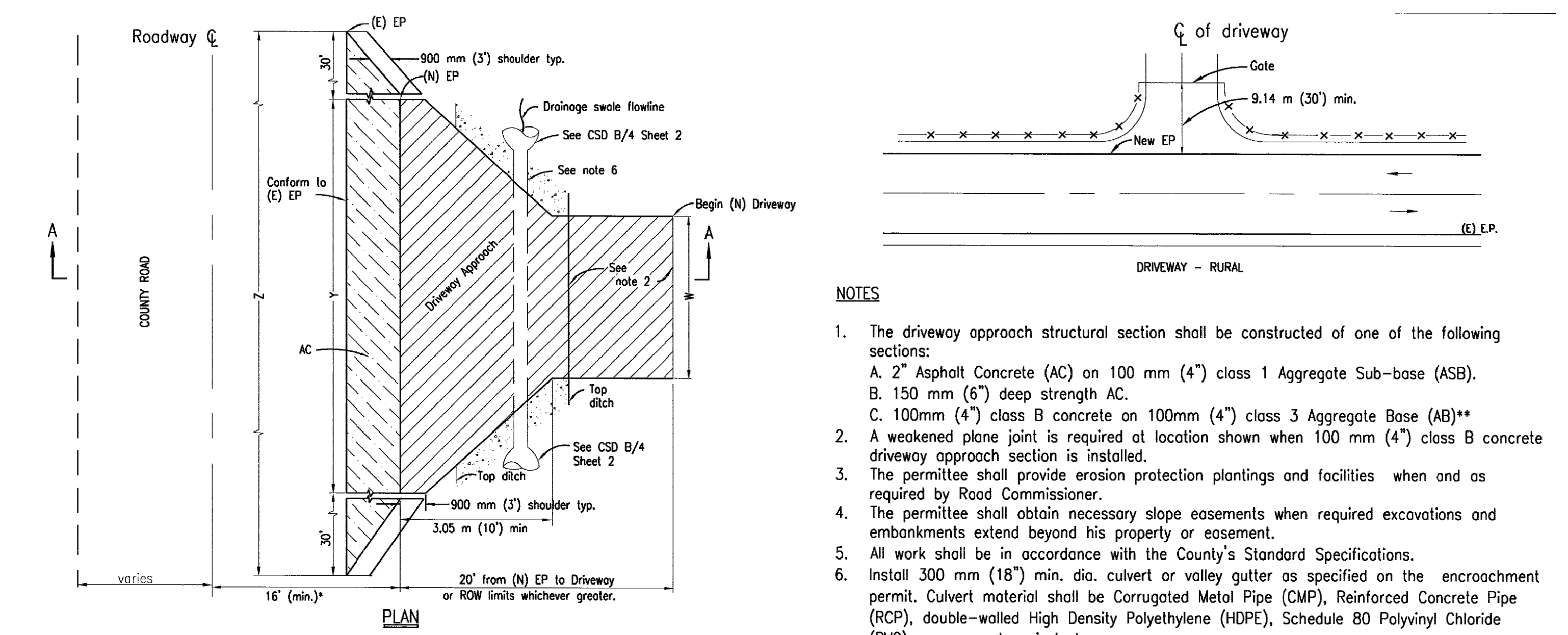
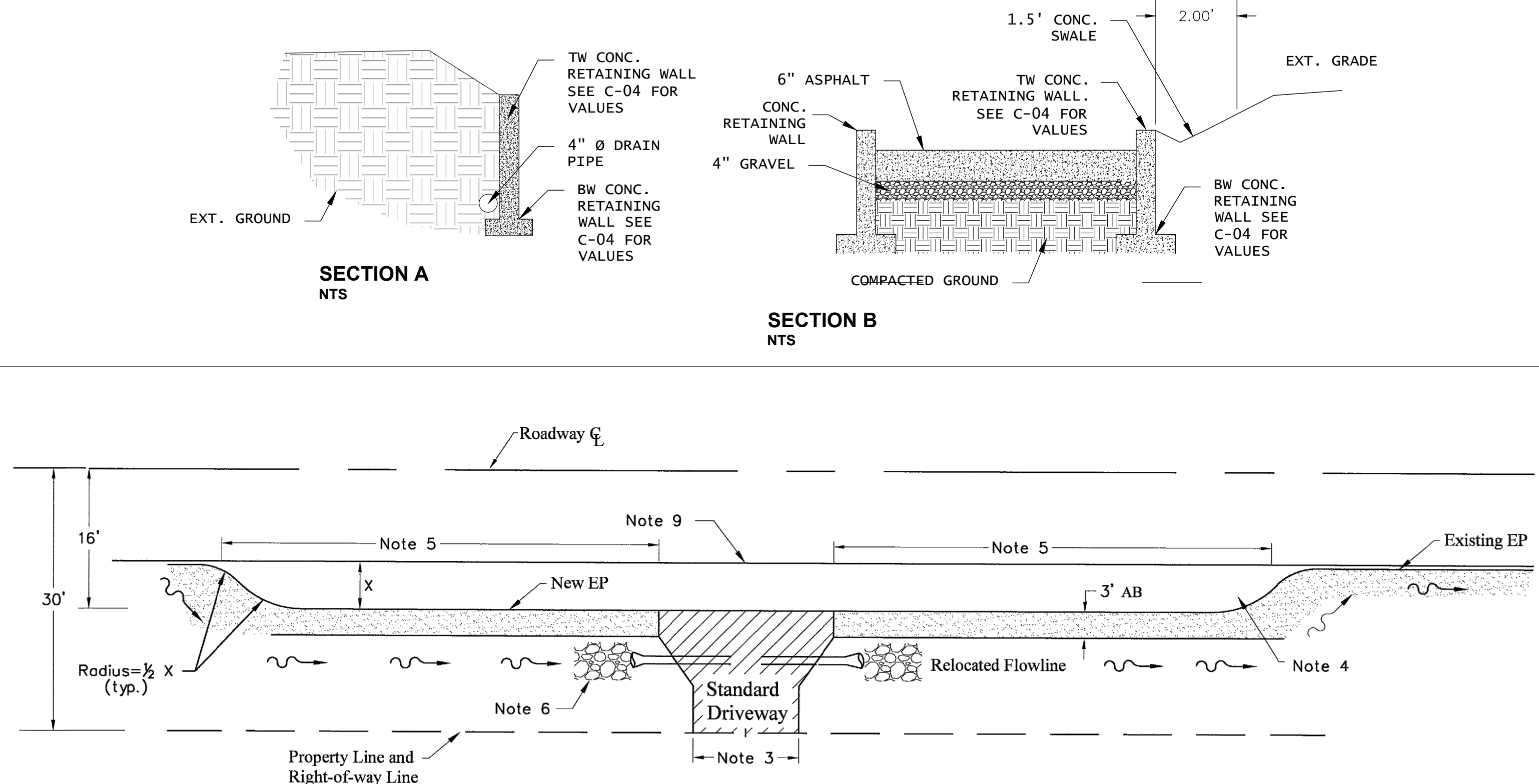


STANDARD DRIVEWAY RAMP



DRIVEWAY RAMP DETAIL
NTS

- NOTES:**
- New depressed curb and driveway ramps shall be constructed monolithically. Minor Concrete, not less than 505 lb cementitious material per cubic yard, 1" maximum aggregate shall be used for all construction detailed on this plan. Minor concrete shall comply with Section 90 of the California Department of Transportation Standard Specifications.
 - When existing road right of way restricts use of standard driveway ramp, the modified driveway may be used when approved by the Public Works Department. "X" shall be as large as possible, and as specified on the plans.
 - Retaining curbs and driveway conforms as required by the Public Works Department. See Standard Plan CA54 for retaining curb details.
 - For depressed driveways (Section B-B) the sidewalk shall be a minimum of 3 1/2" (9" x 2") above the gutter flow line grade. Depth of gutter flows shall be calculated and compared to proposed depressed sidewalk elevations during design to make sure gutter flows are contained.
 - See Standard Plan CA70 for weakened plane joint, expansion joint, and scoremark details. See Standard Plan CA74 for doweling details when conforming to existing curb and sidewalk.
 - If pavement cross slope exceeds 4%, the modified driveway shall be used with the slope of the driveway ramp reduced such that the difference in slope of the driveway ramp and the slope of a line between the gutter and a point on the roadway 5' from gutter flow line shall not exceed 15%. Reduce driveway ramp slope, not the gutter slope. Other dimensions shall be modified as approved by the Public Works Department.
 - Minimum width of clear passage shall be 4' with a 2% cross slope. Where right of way restrictions, natural barriers or other restrictions create an unreasonable hardship, the clear width may be reduced to 3' with a 2% cross slope, with approval of the Public Works Department.
 - Acquisition of construction easement may be necessary where right of way is limited to construct driveway conform.
 - Driveway width, W, as specified on the plans, and in compliance with the following:
Residential: 10' Min. to 26' Max.
Commercial: 20' Min. to 35' Max.
 - Extend driveway conform beyond curb transition to conform to sidewalk to maintain 8.33% maximum ramp slope.
 - *4 reinforcing steel bars at 18" c-c both ways, for commercial driveways.



DRIVEWAY APPROACH DETAIL
NTS

- NOTES:**
- The driveway approach structural section shall be constructed of one of the following sections:
A. 2" Asphalt Concrete (AC) on 100 mm (4") class 1 Aggregate Sub-base (ASB).
B. 150 mm (6") deep strength AC.
C. 100mm (4") class B concrete on 100mm (4") class 3 Aggregate Base (AB)**
 - A weakened plane joint is required at location shown when 100 mm (4") class B concrete driveway approach section is installed.
 - The permittee shall provide erosion protection plantings and facilities when and as required by Road Commissioner.
 - The permittee shall obtain necessary slope easements when required excavations and embankments extend beyond his property or easement.
 - All work shall be in accordance with the County's Standard Specifications.
 - Install 300 mm (18") min. dia. culvert or valley gutter as specified on the encroachment permit. Culvert material shall be Corrugated Metal Pipe (CMP), Reinforced Concrete Pipe (RCP), double-walled High Density Polyethylene (HDPE), Schedule 80 Polyvinyl Chloride (PVC) or approved equivalent.
 - Sight panels shall be installed on both ends of culvert per County Standard Detail B/16.
- * Refer to County Standard Detail A/4 for actual width.
** Applicable only if tie-into existing concrete curb, gutter and/or sidewalk.

- LEGEND**
- (E) Existing
 - EP Edge of pavement
 - (N) New
 - ROW Right of way
 - W= 12' Min. (Driveway width)
 - Z= 92' Min. or Y+60'
 - Y= 32' Min. or W+20' (Driveway approach)

- NOTES:**
- Single residence (County Standard Detail B/4) and/or Multiple Residence (County Standard Detail B/5).
 - New or existing retrofit driveway/driveway approach.
 - Driveway approach pavement section and dimensions per County Standard Detail B/4 or B/5.
 - Minimum roadway structural section per County Standard Details A/1 through A/9 or match in kind, the more restrictive shall apply.
 - Minimum 50 linear feet or to property corner limits, whichever is greater shall apply.
 - Rip rap rock energy dissipaters, owner's engineer to determine/calculate size, type and dimensions in conformance with most current County Drainage Manual, as appropriate.
 - Provide positive drainage flow across frontage.
 - 3-ft aggregate base (AB) shoulder shall be compacted to 90%. Refer to County Standard Detail A/4 for minimum structural section.
 - Replace existing shoulder stripe/fog line in kind [e.g., thermoplastic or white reflective paint (2 coats min) etc].

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CLIENT: **ENSENADA**

ADDRESS: 4525 ENSENADA DR. WOODLAND HILLS, CA 91364

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CLIENT: METROPOLITAN ENGINEERING LIMITED

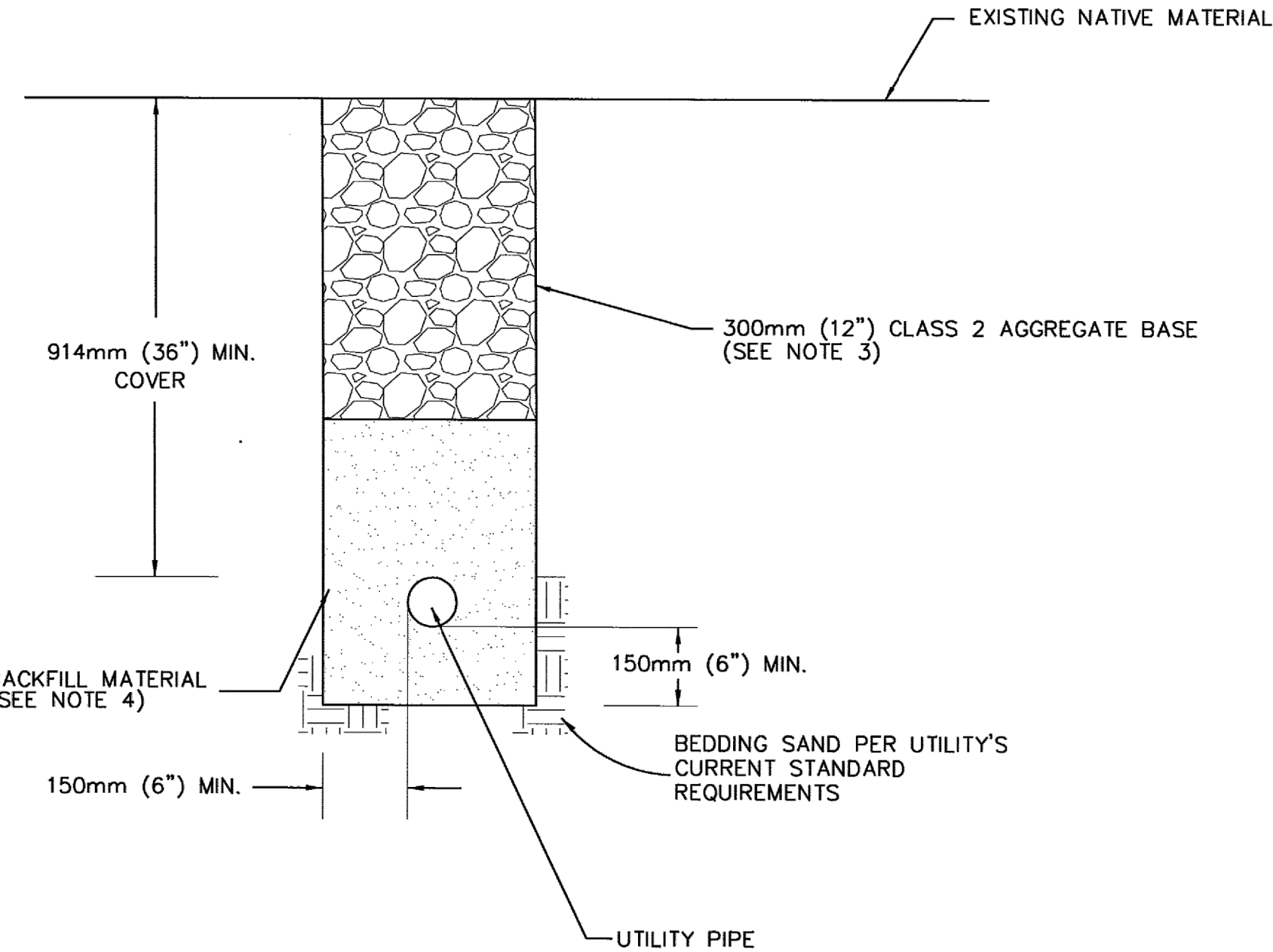
ADDRESS: 598 S66th Street, San Diego CA 92114

PROJECT: ADULT DAY CARE

TITLE: ROAD DETAILS

PROJ. NO. PROJ. ENGR. SCALE: SHOWN

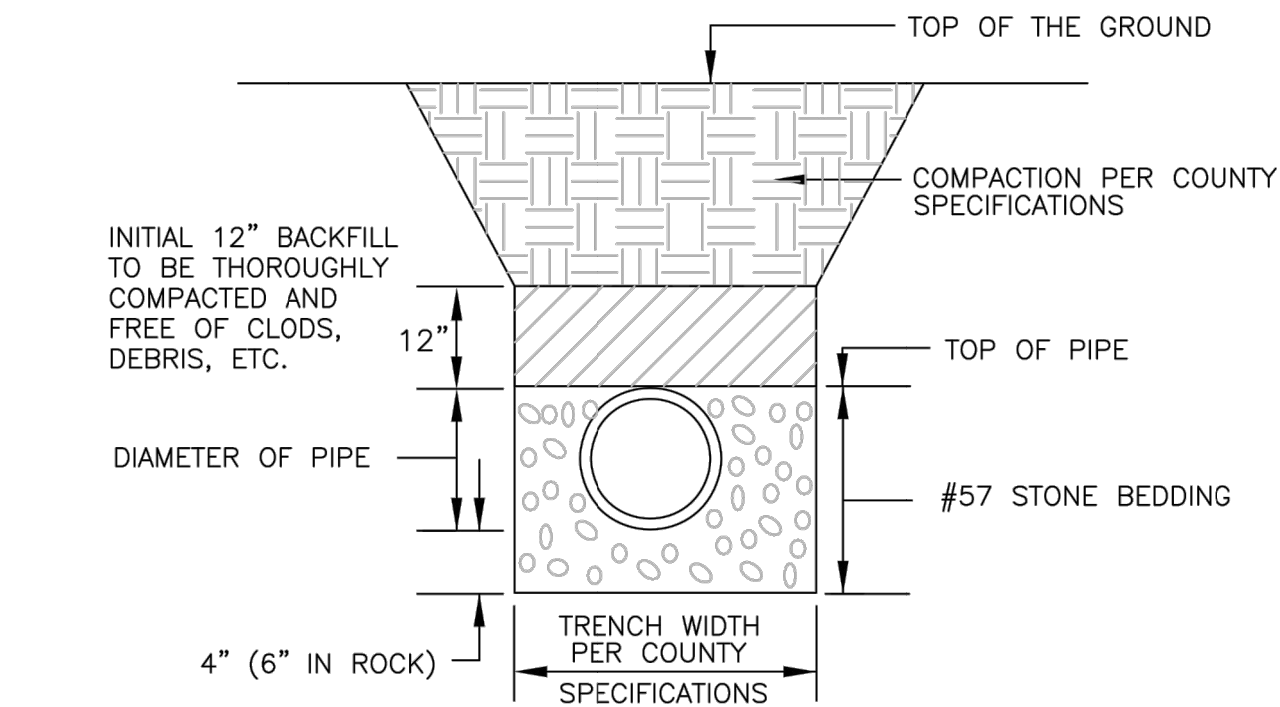
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TYPICAL UTILITY TRENCH CONSTRUCTION (OUTSIDE ROADWAY)
 NTS

NOTES:

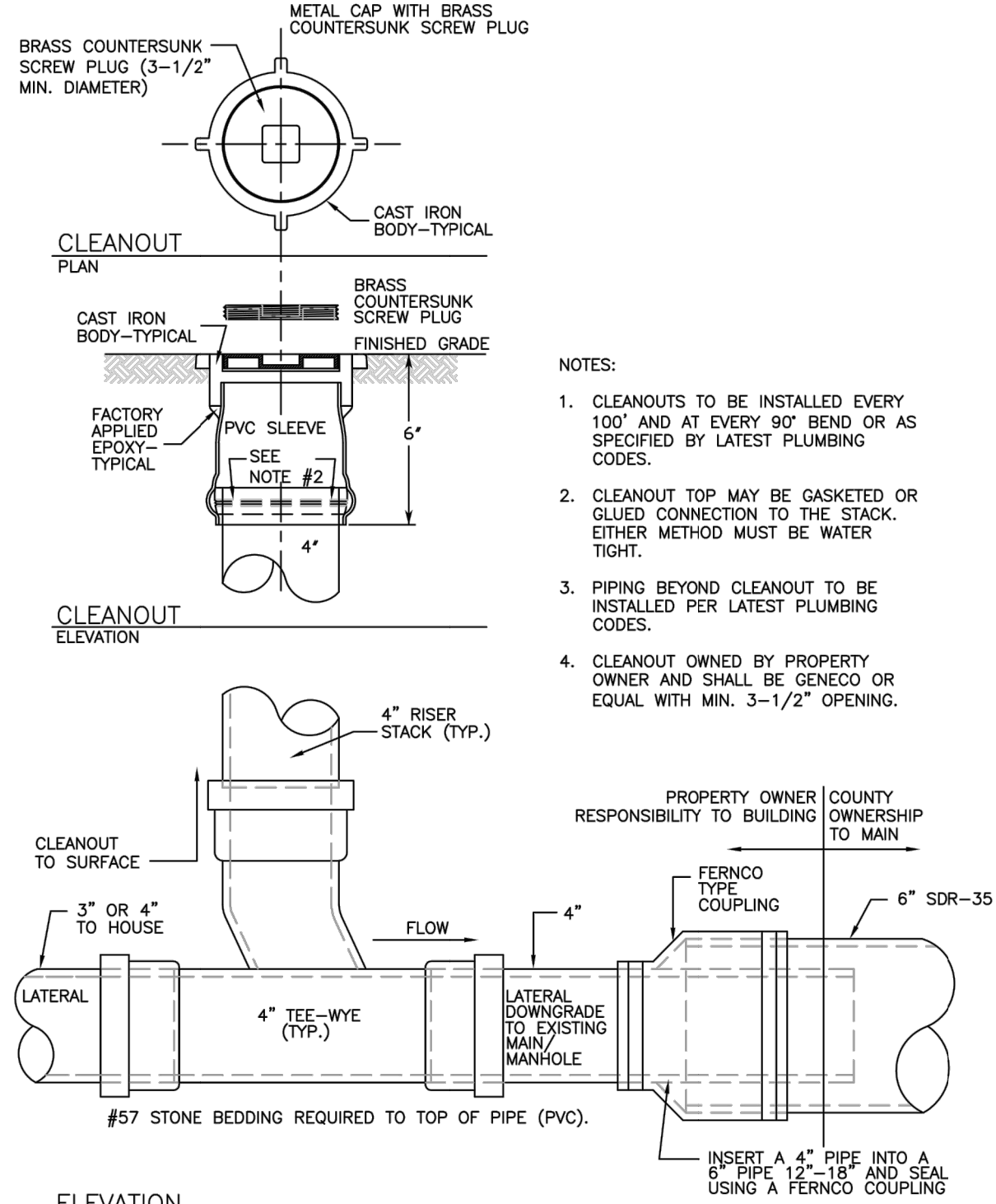
- ALL NEW UTILITIES SHALL BE INSTALLED ON CUT SIDE OF NEW ROAD IN HILLSIDE AREA.
- ALL NEW UTILITIES ARE TO BE INSTALLED BELOW ANY EXISTING CULVERTS.
- RELATIVE COMPACTION FOR CLASS 2 A.B. SHALL BE NO LESS THAN 90%. EACH LAYER SHALL NOT EXCEED 150mm (6") IN THICKNESS. CONTROLLED LOW-STRENGTH MATERIAL (<300 PSI) (e.g., 2-SACK SLURRY, CONTROLLED DENSITY FILL, FLOWABLE FILL, ETC) MAY BE USED IN LIEU OF AB.
- TRENCH BACKFILL SHALL CONFORM TO SECTION 19 OF THE CURRENT SANTA CLARA COUNTY STANDARD SPECIFICATIONS. COMPACTION SHALL BE NO LESS THAN 90% OR PER UTILITY'S CURRENT STANDARD REQUIREMENTS.
- NO OPEN-CUT OF EXPRESSWAY SHALL BE ALLOWED UNLESS APPROVED BY THE ROAD COMMISSIONER. OTHER CONDITIONS SHALL APPLY TO EXPRESSWAY ENCROACHMENTS.
- COUNTY ORDINANCE CO. N-703.9 REQUIRES PAYMENT OF TRENCH CUT FEES AS OFFSET FOR DAMAGE TO PAVEMENT STRUCTURE. IN LIEU OF FEE, FOR LONGITUDINAL TRENCH CUT ONLY, ALTERNATE SECTIONS SHOWN ON SHEETS U/3B AND U/3C MAY BE REQUIRED BY COUNTY. NO ALTERNATIVE SECTIONS ARE AVAILABLE FOR TRANSVERSE TRENCH CUTS.
- CONTRACTOR SHALL RESTORE ALL STRIPING, PAVEMENT MARKERS, LOOP DETECTORS AND REPAIR WITH IN KIND MATERIALS.



NOTE: FOR DEPTHS IN EXCESS OF 14 FEET, STONE TO EXTEND TO 12" ABOVE PIPE.,

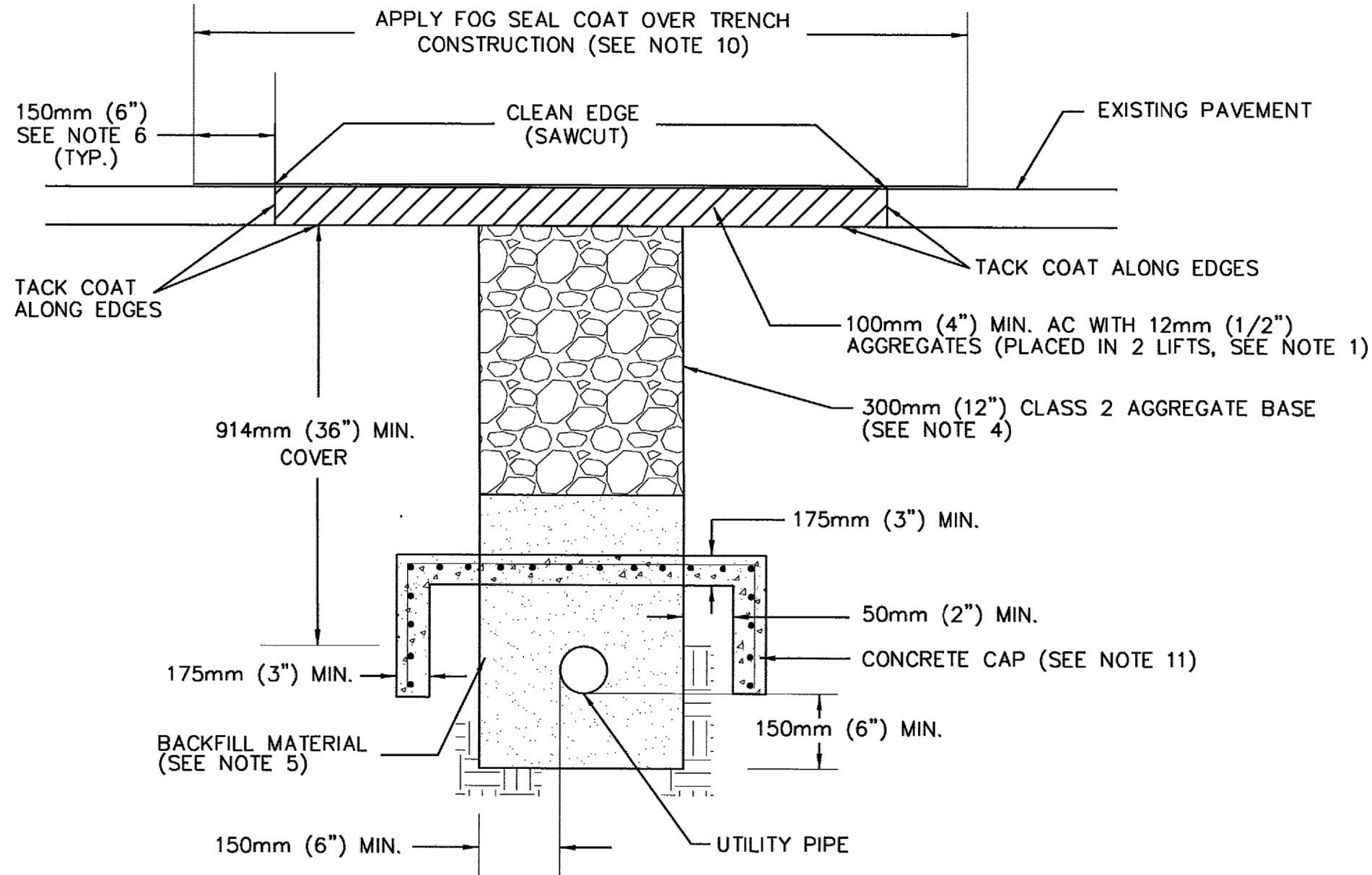
NOTE: CONTRACTOR MUST INSURE THE STONE IS PROPERLY COMPACTED, ESPECIALLY UNDER THE HAUNCHES OF THE PIPE.

BEDDING AND BACKFILL DETAIL FOR PLASTIC PIPE
 NTS



PROPERTY/EASEMENT CLEANOUT DETAIL
 NTS

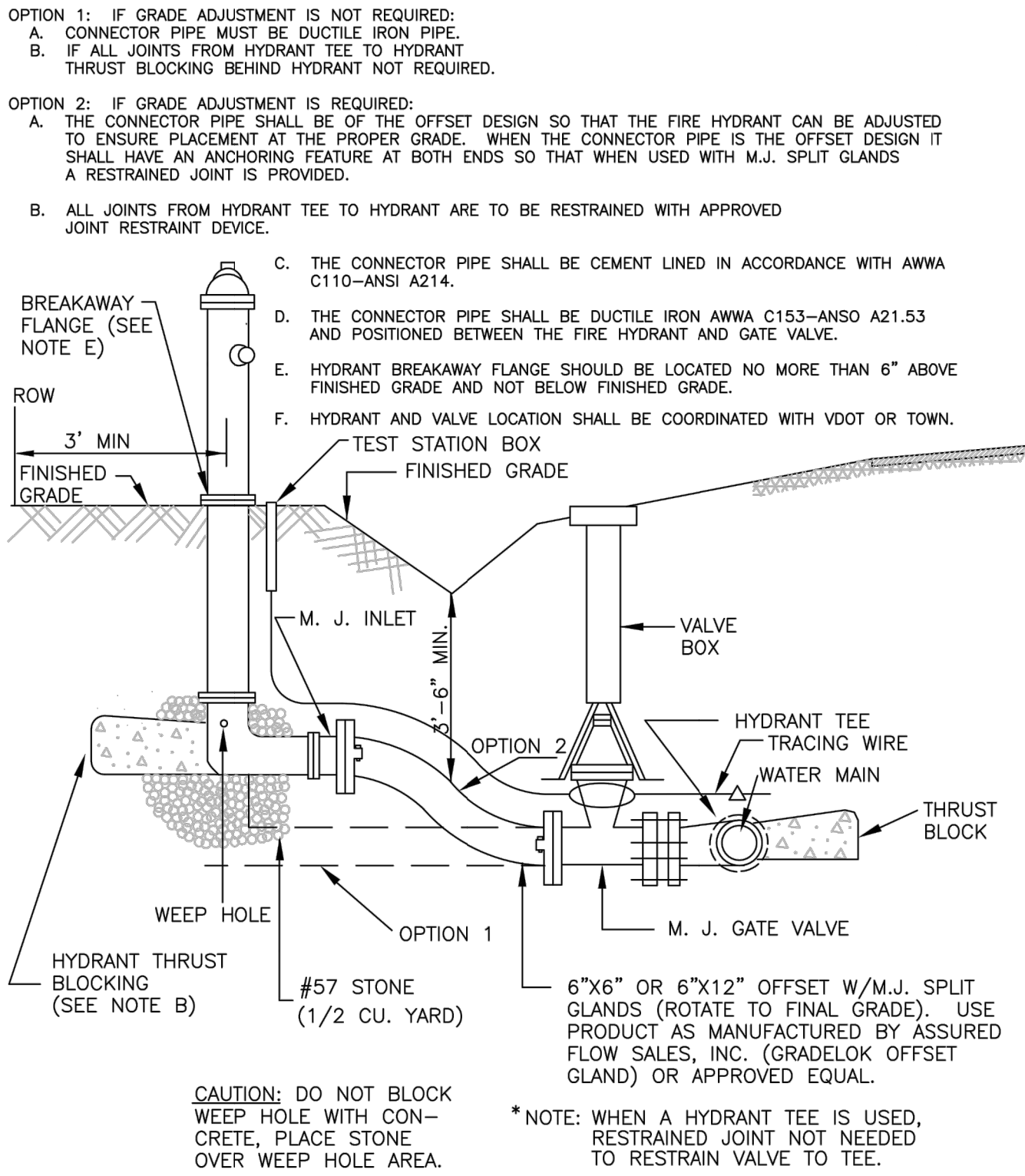
- NOTES:
- CLEANOUTS TO BE INSTALLED EVERY 100' AND AT EVERY 90° BEND OR AS SPECIFIED BY LATEST PLUMBING CODES.
 - CLEANOUT TOP MAY BE GASKETED OR GLUED CONNECTION TO THE STACK. EITHER METHOD MUST BE WATER TIGHT.
 - PIPING BEYOND CLEANOUT TO BE INSTALLED PER LATEST PLUMBING CODES.
 - CLEANOUT OWNED BY PROPERTY OWNER AND SHALL BE GENECO OR EQUAL WITH MIN. 3-1/2" OPENING.



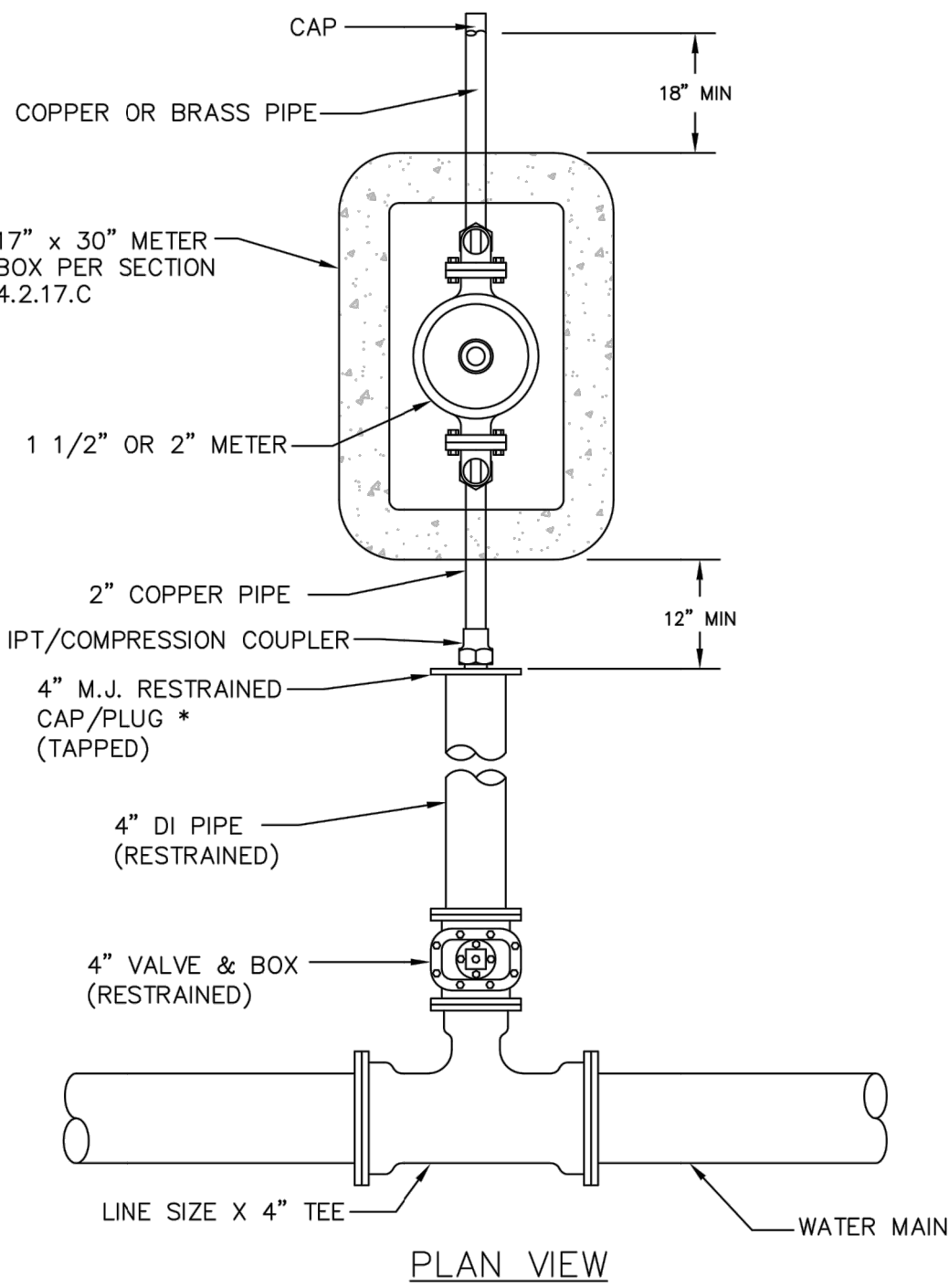
TYPICAL UTILITY TRENCH CONSTRUCTION
 NTS

NOTES:

- THE SURFACE COURSE SHALL BE TYPE A, 12mm (1/2") MEDIUM ASPHALT CONCRETE.
- ALL NEW UTILITIES SHALL BE INSTALLED ON CUT SIDE OF NEW ROAD IN HILLSIDE AREA.
- ALL NEW UTILITIES ARE TO BE INSTALLED BELOW ANY EXISTING CULVERTS.
- RELATIVE COMPACTION FOR CLASS 2 A.B. SHALL BE NO LESS THAN 95%. EACH LAYER SHALL NOT EXCEED 150mm (6") IN THICKNESS. CONTROLLED LOW-STRENGTH MATERIAL (<300 PSI) (e.g., 2-SACK SLURRY, CONTROLLED DENSITY FILL, FLOWABLE FILL, ETC) MAY BE USED IN LIEU OF AB.
- TRENCH BACKFILL SHALL CONFORM TO SECTION 19 OF THE CURRENT SANTA CLARA COUNTY STANDARD SPECIFICATIONS. FOG SEAL COAT SHALL CONSIST OF A MIXTURE OF SLOW-SETTING TYPE ASPHALT EMULSION AND ADDITIONAL WATER. ADDITIONAL REQUIREMENTS APPLY TO PAVEMENT 0-4 YEARS OLD. SEE COUNTY STANDARD DETAILS U/3B AND U/3C.
- NO OPEN-CUT OF EXPRESSWAY SHALL BE ALLOWED UNLESS APPROVED BY THE ROAD COMMISSIONER. OTHER CONDITIONS SHALL APPLY TO EXPRESSWAY ENCROACHMENTS.
- COUNTY ORDINANCE CO. N-703.9 REQUIRES PAYMENT OF TRENCH CUT FEES AS OFFSET FOR DAMAGE TO PAVEMENT STRUCTURE. IN LIEU OF FEE, FOR LONGITUDINAL TRENCH CUT ONLY, ALTERNATE SECTIONS SHOWN ON SHEETS U/3B AND U/3C MAY BE REQUIRED BY COUNTY. NO ALTERNATIVE SECTIONS ARE AVAILABLE FOR TRANSVERSE TRENCH CUTS.
- CONTRACTOR SHALL RESTORE ALL STRIPING, PAVEMENT MARKERS, LOOP DETECTORS AND REPAIR WITH IN KIND MATERIALS.
- HOT-MIXED ASPHALT OR MICROSURFACING MAY BE REQUIRED AT THE DISCRETION OF COUNTY BASED ON SITE SPECIFIC CONDITIONS, INSTEAD OF FOG SEAL.
- CONCRETE CAP IS ONLY REQUIRED WHERE COVER IS LESS THAN 36". BOTTOM OF THE CONCRETE CAP SHALL ALIGN WITH THE BOTTOM OF THE UTILITY PIPE. INSTALL 10M (#3) REBARS 300 MM (12") O.C. EACH WAY.



TYPICAL FIRE HYDRANT DETAIL
 NTS



WATER SERVICE INSTALLATION DETAIL
 NTS

* CAP/PLUG TO BE LOCATED AT LEAST 12" PAST THE EDGE/BACK OF THE IMPROVED HARD SURFACE; I.E. PAVEMENT, CURBING, SIDEWALK, ETC.

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ADDRESS:

598 S66th Street, San Diego CA 92114

PROJECT:

ADULT DAY CARE

TITLE:

UTILITY DETAILS

PROJ. NO. PROJ. ENGR.

JA

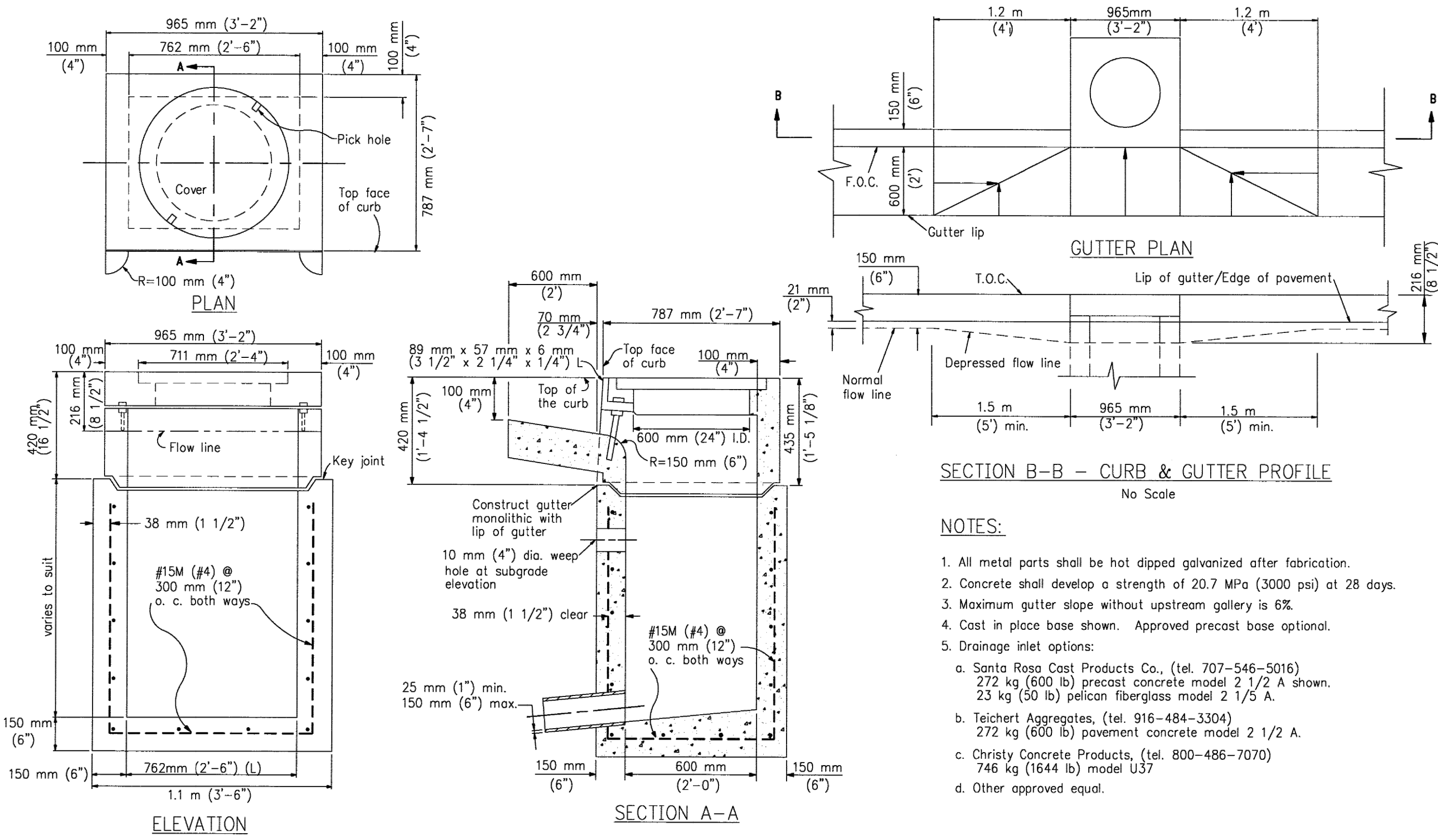
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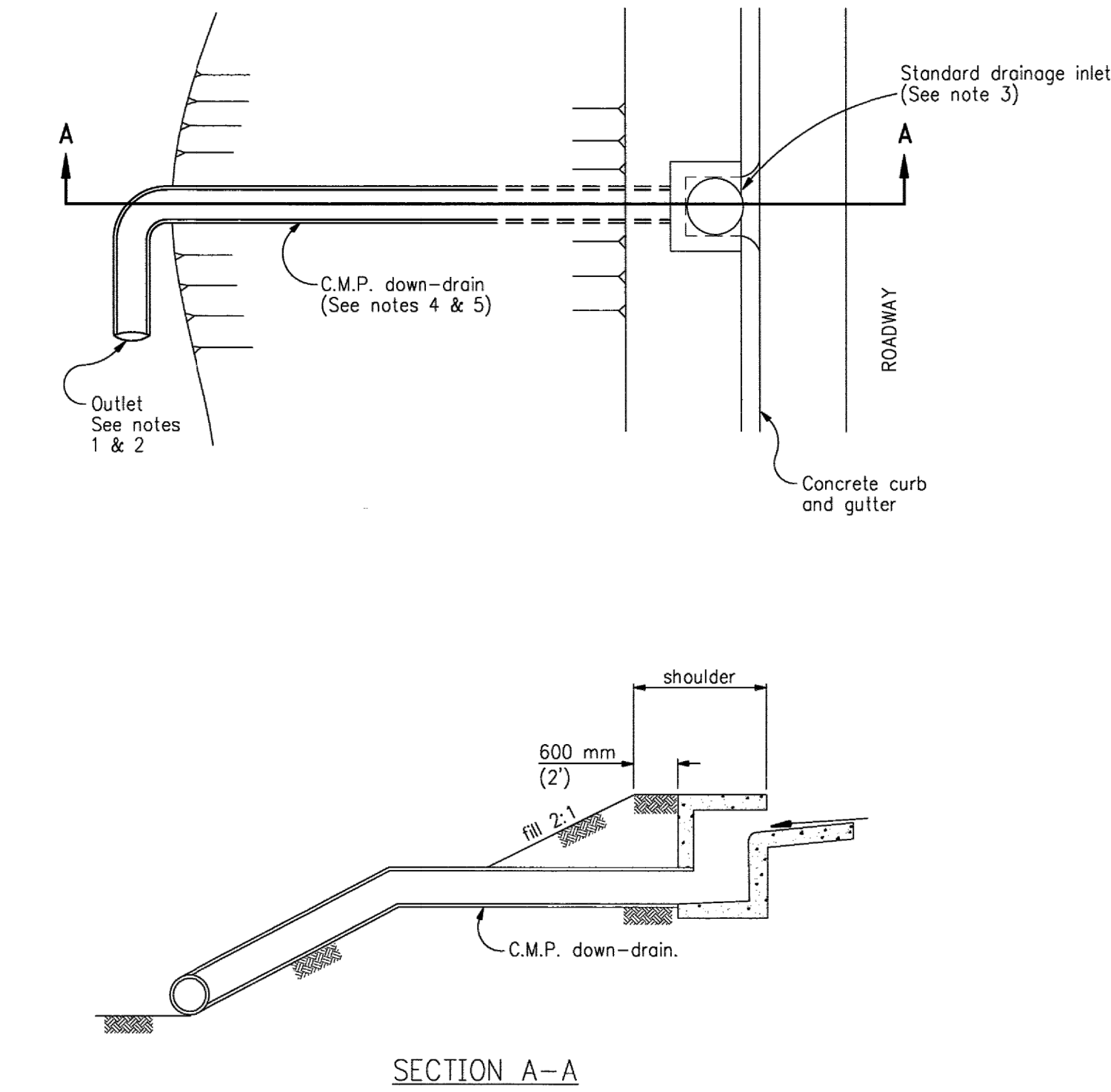
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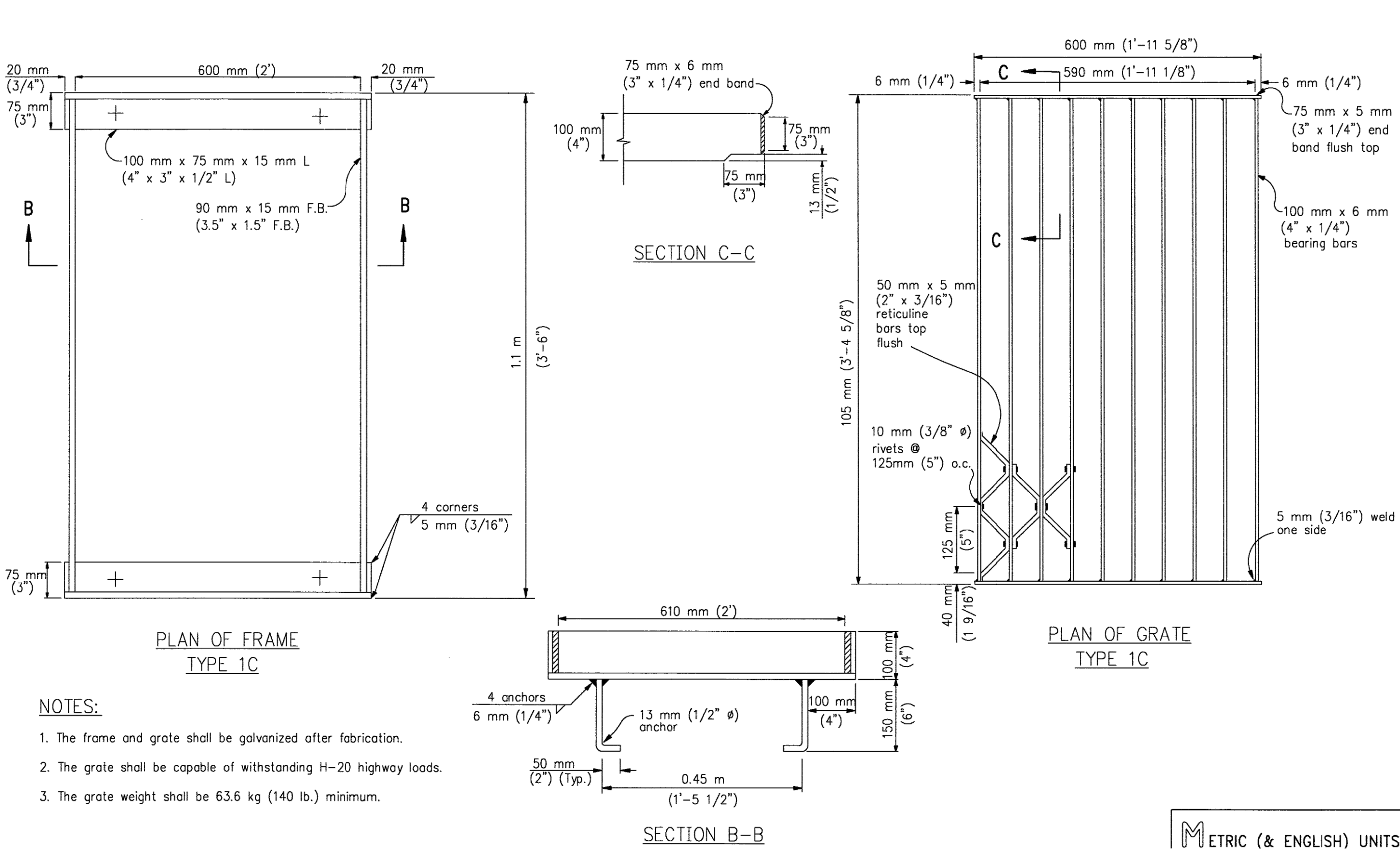


DRAINAGE INLET DETAIL
NTS



OVERSIDE DRAIN DETAIL
NTS

- NOTES:**
- Energy dissipator
 - tee section
 - 90° section
 - concrete apron
 - other energy dissipator approved by Road Commissioner
 - Erosion protection plantings facilities shall be provided.
 - Standard drainage inlet type C-1/2 min. or approved equal.
 - Installed materials shall be in accordance with the standard plans, Department of Transportation, State of California as approved by the Road Commissioner
 - Road Commissioner may require downdrain to be placed in a trench.
 - The developer shall submit detailed construction plans (including length and size of down-drain) prepared by a registered civil engineer for approval by the Road Commissioner.



DROP INLET FRAME AND GRATE
NTS

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CLIENT:

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PROJECT:

ADULT DAY CARE

TITLE:

DRAINAGE DETAILS

PROJ. NO. PROJ. ENGR.

JA

SCALE:

SHOWN

DRAWING NO.

C-11

REV.